

MARIETTA COLLEGE

Chartered 1835

2002-2003 CATALOG

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.

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The Nine Core Values

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.

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.

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.

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.

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.

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.

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.

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.

Globalization

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

Welcome 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. Marietta College retains its commitment to liberal arts education, to preparation for graduate school and careers, and to developing a strong community on the campus.

The themes of change and challenge will characterize your time at Marietta College. Marietta College is changing to meet the needs of the twenty-first century and of the students who learn here. You will study in the Rickey Science Center and work out in the new Recreation Center, both of which will open in this academic year. You will study with committed faculty members, some new to Marietta, some who have been here for their entire careers, and will benefit from the great blend of experience and new ideas they bring to the classroom. You will learn in a variety of new and interesting ways, via technology, through service learning and internships as well as through interaction with dedicated faculty and other bright students.

The most profound change you will experience during your time at Marietta College will be your own growth and development as you explore new academic fields, develop intellectual and social self-confidence, and establish your own place in this community. The nine Core Values approved as part of our Strategic Plan in 2000 and to be found on the facing page, provide the basis for the educational experience at Marietta College. In the spirit of those Core Values, I offer you the following seven 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, how the natural world works, and how those workings affect our lives. Serious consideration of those issues is essential if we are to take well-

informed positions on the issues of our day—from stem cell research to the ethical conduct of business, to the ordering of relationships among diverse groups in our country and among the cultures of the world. 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 evaluate 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 now. 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 year, 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, understanding and tolerance to bear to solve society's problems. You can begin that process at Marietta College in a number of ways. Get to know at least one person from another culture and one whose perspective is radically different from your own. Learn a language; take courses that deal with American diversity and with other cultures; study abroad; get to know our international students; take advantage of the unique opportunity at Marietta College to immerse yourself in the language, history and culture of China, and consider working or teaching there.

Embrace the newest electronic technologies for the tools they are. Our faculty are working to integrate these technologies into their classes and to ensure that they enhance your knowledge and communications skills. The College has wired the residence halls for internet access, and is creating additional smart classrooms—some of them wireless. The technological revolution is changing the way we teach and learn, and it will continue to do so. 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 what you have learned in the classroom with practical experience. 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 in as many ways as you can. 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 in many cases, 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 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 will find, not surprisingly, that your passion will be an area that challenges you, not the one that you find easiest.

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.

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

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

2002-03 Academic Calendar

2002 Fall Semester

August

- Wed 21** Freshman Matriculation Ceremony
Wed 21-25 Freshman Orientation
Wed 21 Freshmen move into residence halls, beginning at 9:00 a.m.
Thu 22 Transfer students move into residence halls, beginning at 1:00 p.m.
Fri 23 Transfer student orientation
Sun 25 Residence halls open for all returning students
Mon 26 Enrollment verification and PSEO registration
Mon 26 Laboratories and evening classes begin
Tue 27 Day classes begin

September

- Mon 2** Labor Day – Classes meet but offices closed
Fri 6 Last day to add/change courses
Fri 6 Last day to drop courses without “W” on transcript
Fri 27-29 Family Weekend

October

- Sat 5-8** Four Day Break
Wed 9 Classes resume and mid-semester grades due – 9:00 a.m.
Sat 26 Homecoming

November

- Fri 1** Last day to withdraw from a course with a grade of “W”
Wed 27- Sun Dec 1 Thanksgiving Break

December

- Mon 2** Classes resume
Fri 6 Last day of classes
Sat 7-13 Final examinations and reading days
Tue 17 Final grades due - 9:00 a.m.

2003 Spring Semester

January

- Sun 12** Residence halls open
Mon 13 Enrollment verification and PSEO registration
Mon 13 8:00 a.m. classes begin
Mon 20 Martin Luther King Jr. Day – no classes
Fri 24 Last day to add/change courses
Fri 24 Last day to drop courses without “W” on transcript

February

- Fri 14** Founders’ Day

March

- Sat 8-16** Spring break
Wed 12 Mid-semester grades due – 9:00 a.m.
Mon 17 Classes resume
Fri 28 Last day to withdraw from courses with grade of “W”

April

- Fri 25** Last day of classes
Sat 26-Sun 27 Reading Days
Mon 28 – Fri May 2 Final examinations

May

- Tues 6** Final grades due – 9:00 a.m.
Sun 11 Commencement

2003 Summer Term

May

- Mon 19** Sessions I and III of Summer School begin

June

- Tue 24** Session I ends
Wed 25 Session II begins

July

- Fri 4** Fourth of July – classes meet but offices closed

August

- Fri 1** Sessions II and III end
Wed 6 Final grades for all sessions due – 9:00 a.m.

Notices

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,

genderorientation, or religious affiliation in administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and othercollege-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. 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) 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 Small Print...

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 for 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.

The College and the City

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In 2001, 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 sports medicine, 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 are being 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 theme of civic and corporate leadership. And so, the College invites students to explore the ideas of the past and discover their meaning for today while simultane-

ously 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 2001 enrollment at the College was 1205 undergraduate and 73 graduate students. The students came from 38 states and 15 countries. The male-to-female ratio is close to 50:50, while the student-to-faculty ratio is an attractive 12:1.

Accreditation

The College offers degrees at the undergraduate and graduate level: Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Science, Bachelor of Science in Petroleum Engineering, and Master of Arts in Education, Master of Arts in Liberal Learning, and Master of Science in Physician Assistant Studies.

The College is accredited by the Commission on Institutions of Higher Education of the North Central Association of Colleges and Schools. The College is approved by the State of Ohio to offer teacher education programs in early childhood, middle childhood, adolescent/young adult, and reading. The petroleum engineering program is accredited by the Education Accreditation Commission of the Accreditation Board for Engineering, and the sports medicine program is accredited by the National Athletic Training Association. 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. The Master of Arts in Education has been approved at the graduate level by the Commission on Institutions of Higher

Education of the North Central Association of Colleges and Schools. The Master of Science in Physician Assistant Studies enrolled its first class in June 2002 and has received provisional accreditation from the Accreditation Review Commission for Physician Assistant programs.

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, 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.

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 per-

sonal 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 Pittsburgh (PIT), a major hub for USAirways. The airport is only five miles from the campus. The College is a regular stop on a north-south route operated by the Greyhound bus service.

Undergraduate Programs of Instruction

Provost's Office, Provost and Dean of the Faculty: Dr. Sue DeWine (dewines@marietta.edu)

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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 under GRADUATE PROGRAMS in this 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 Listing 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	Organizational Communication Political Science Psychology Public Accounting Radio and Television Spanish Studio Art Theatre	Biochemistry Biology Chemistry Computer Information Systems Computer Science Environmental Science Geology Mathematics Physics Sports Medicine
Accounting Advertising and Public Relations Communication Studies Economics Early Childhood Education Environmental Studies English Graphic Design History Human Resources Management International Business Management Journalism Management Marketing Music	Bachelor of Fine Arts Musical Theatre Theatre	Bachelor of Science in Petroleum Engineering Petroleum Engineering
	Bachelor of Science Allied Health Applied Physics	

Minors

A student may choose to supplement 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 Art Asian Studies Biology Chemistry Coaching Communication Studies Computer Information Systems Computer Science Economics Environmental Science	Environmental Studies Finance French Gender Studies Geology History Human Resource Management Leadership Studies Journalism Literature Management Marketing	Mathematics Music Petroleum Engineering Philosophy Physics Political Science Psychology Radio and Television Religion Spanish Sports Management Theatre
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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 typically 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 the list provided by the Records Office of the courses being offered each

semester uses the following classification system for courses:

- D** Leadership
- F** Fine Arts
- G** Global/Multicultural
- H** Humanities
- N** Natural Science with laboratory
- S** Social science
- V** Advanced studies
- 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 attaching 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 Economics, Management and Accounting for major and minor)

Website: <http://www.marietta.edu/~provost/majors/accounting.html>

Advertising and Public Relations

(See Mass Media for major)

Website <http://www.marietta.edu/~provost/majors/advertising.html>

Allied Health

(See Sports Medicine for major)

Website: <http://www.marietta.edu/~provost/majors/alliedhealth.html>

Art

Department of Art

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

Chair: Professor Valdis Garoza (garozav@marietta.edu)

Assistant professors: Christina Ullman, Ron Wright; lecturers: Jack Beauchamp, Sherm Koons, Beth Nash, Cullen Sutton

Secretary: Kathleen T. DeLong

The department of Art offers two majors within the B.A. degree: a major in Studio Art and a major in Graphic Design.

Requirements for a Studio Art major: A minimum of 39 hours and a maximum of 48 hours, including Art 101, 102, 201, 202, 361, 362, 487, 488; Art History 361, 362, plus 3 additional hours in art history; the remaining 15 hours to be distributed over at least two art fields (painting, printmaking, sculpture, art history, etc.).

General Art Courses	12 Hours
ART 101 <input type="checkbox"/> ART 102 <input type="checkbox"/>	ART 201 <input type="checkbox"/>
ART 202 <input type="checkbox"/>	

Art History	9 Hours
ARTH 361 <input type="checkbox"/> ARTH 362 <input type="checkbox"/>	

Plus one of the following	
ARTH 161 <input type="checkbox"/> ARTH 366 <input type="checkbox"/>	ARTH 369 <input type="checkbox"/>
ARTH 371 <input type="checkbox"/> ARTH 373 <input type="checkbox"/>	

Art Electives: Any five of the following distributed over at least two art fields	15 Hours
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"/>	

Or any Art History course listed under "Art History" above and not used to fulfill the Art History requirement

Senior Capstone	3 Hours
ART 487 <input type="checkbox"/> ART 488 <input type="checkbox"/>	

Total	39 Hours
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Requirements for a Graphic Design major: Art 101, 102, 201, 202, 487, 488; Art history 361, 362; plus 15 hours to be distributed over at least two art fields (painting, printmaking, sculpture, art history, etc.); Graphic Design 210, 310, 340 381, 382, 483, 497; Art 256 or Mass Media 150.

General Art courses	12 Hours
ART 101 <input type="checkbox"/> ART 102 <input type="checkbox"/>	ART 201 <input type="checkbox"/>
ART 202 <input type="checkbox"/>	
Art History	6 Hours
ARTH 361 <input type="checkbox"/> ARTH 362 <input type="checkbox"/>	
Graphic Design	21 Hours
GRPH 210 <input type="checkbox"/> GRPH 310 <input type="checkbox"/>	GRPH 340 <input type="checkbox"/>
GRPH 381 <input type="checkbox"/> GRPH 382 <input type="checkbox"/>	GRPH 483 <input type="checkbox"/>
GRPH 497 <input type="checkbox"/>	
Photography: One of the following	3 Hours
ART 256 <input type="checkbox"/> MASS 150 <input type="checkbox"/>	
Art Electives: Any five of the following distributed over at least two art fields	15 Hours
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"/>	
Senior Capstone	3 Hours
ART 487 <input type="checkbox"/> ART 488 <input type="checkbox"/>	
Total	60 Hours

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

Studio Art Courses

ART 101 Drawing I

Fundamentals of drawing. Perspective, line, form, and composition used for representational studies from nature and still life.

Credit: 3 Hours.

ART 102 Drawing II

Stresses expressive drawing. Various media used in exploring contemporary modes of drawing.

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

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

Basic techniques of hand production, mold production, glaze formulation, decoration, and introductory throwing techniques.

Credit: 3 Hours.

ART 190 Introduction to Multimedia

Introduces students to the hardware and software in the Hermann Multimedia Computer Lab. Topics to be covered start with basic operations, such as how to turn on the computer, and include the most recent versions of Windows, Word Perfect, and Corel Draw. The course is taught in the format of four, three-hour workshops, with tutorials between workshops, during the first month of each semester.

Credit: 1 Hour.

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.

Credit: 3 Hours.

ART 202 Solid Design

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

Credit: 3 Hours.

ART 205 Life Drawing

Studies of the human figure using a variety of media.

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.

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.

Prerequisite: Art 101 or written permission of instructor.

Credit: 3 Hours.

ART 231 Intermediate Ceramics

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

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.

Prerequisites: Art 202.

Credit: 3 Hours.

ART 245 Art in the Elementary School

Two-and three-dimensional studio experience plus educational theory, including curriculum content, visual learning development, evaluation, and philosophy.

Credit: 3 Hours.

ART 256 Composition and Creativity in Photography

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 dark-room course. Color negatives will be printed by local 1-hour outlets. Offered Fall 2002 and every other year.

Credit: 3 Hours.

ART 291 Advanced Multimedia

Advanced uses of the hardware and software in the Hermann Multimedia Lab. Applications to be covered include the latest versions of Presentations, Cool Edit, Photoshop, the Corel Draw Suite, and use of a digital camera. Taught by the tutorial method.

Prerequisite: Art/Communication/Theatre 190.

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

Printmaking in intaglio and relief processes.

Prerequisite: Art 101.

Credit: 3 Hours.

ART 312 Lithography and Silk Screen

Printmaking in planographic and serigraphic processes.

Prerequisite: Art 101.

Credit: 3 Hours.

ART 321 Intermediate Painting

Emphasizes individual development in various media.
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.
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.
Prerequisites: Art 101, 224, and 321.

Credit: 3 Hours.

ART 331 Advanced Ceramics

Stresses development of individual directions in ceramic techniques.
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.
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 monoprints may be further enhanced with color pencils, acrylic paints, and collage techniques.

Prerequisites: Art 205 or permission of the instructor. Offered Fall 2003 and every other year.
Credit: 3 Hours.

ART 351 Advanced Etching

Advanced techniques of etching process. Includes engraving techniques and printing in color.
Prerequisite: Art 311 or equivalent.

Credit: 3 Hours.

ART 352 Advanced Lithography

Advanced techniques in lithography. Includes color lithography and metal plate lithography.

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.

ART 487 and 488 together satisfy the Advanced Studies requirement. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section of the catalog for details of the Advanced Studies requirement.

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: architectural drawing, calligraphy, ceramics, commercial art, design, drawing, painting, photography, printmaking, sculpture, watercolor, weaving. (In addition, 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.

Art History Courses

ARTH 161 Art Appreciation

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. Lectures 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.

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 publication software such as QuarkXPress, Photoshop, Illustrator, and FreeHand.

Lab fee \$30

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

Prerequisites: 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 \$30

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 \$30

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 \$30

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 \$30

Prerequisites: Graphic Design 320 and Graphic Design 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 \$30

Prerequisites: GRPH 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 \$30

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 \$30

Prerequisites: 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.

Asian Studies

Department of History, Philosophy, Political Science and Religion

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

Coordinator: Dr. Matthew Young (History) (youngs@marietta.edu)

Professors: Ronald L. Loreman (Theatre), Sara K. Shute (Philosophy), Michael B. Taylor (Leadership and Management); associate professor: Xiaoxiong Yi (Political Science); assistant professor: Luding Tong (Chinese); lecturer: Akemi Mahood (Japanese)

The Asian Studies program is interdisciplinary and uses the resources of several departments. Administratively, the program is part of the Department of History, Philosophy, Political Science and Religion. A minor in Asian Studies is offered.

Requirements for a minor in Asian Studies: 18 hours including History 211, 212, 6 hours in Chinese or Japanese language courses (Chinese 130 included), and at least 6 hours in other courses chosen from the courses listed below, and approved by the Coordinator for Asian Studies.

Asian Studies Courses

Chinese 101 Elementary Conversational Chinese I

Pronunciation, practice in character recognition, speaking, and sentence structure.

Credit: 3 Hours

Chinese 102 Elementary Conversational Chinese II

Emphasizes pronunciation, writing, speaking, and reading.

Prerequisite: Chinese 101 or written permission of instructor

Credit: 3 Hours

Chinese 130 Perspectives on Chinese Culture

An interdisciplinary study of Chinese culture, including history, politics, literature, and the arts, as well as Chinese customs.

Credit: 3 Hours

Chinese 201 Intermediate Chinese I

Pronunciation, further practice in character recognition, speaking, sentence structure, approached through readings based on culture of China.

Prerequisite: Chinese 102 or written permission of instructor

Credit: 3 Hours

Chinese 202 Intermediate Chinese II

Continued practice in pronunciation, character recognition, speaking, sentence structure, approached through more advanced readings based on culture of China.

Prerequisite: Chinese 201 or written permission of instructor

Credit: 3 Hours

Chinese 301 Advanced Chinese I

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

Chinese 302 Advanced Chinese II

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

Chinese 370 East Asian Cultures Through Film

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

Credit: 3 Hours

Japanese 101 Elementary Conversational Japanese I

Pronunciation, practice in character recognition, speaking, sentence structure, approached through readings based on culture of Japan.

Credit: 3 Hours.

Japanese 102 Elementary Conversational Japanese II

Emphasizes pronunciation, writing, speaking, and reading.
Prerequisite: Japanese 101 or written permission of instructor.
Credit: 3 Hours.

Japanese 201 Intermediate Japanese I

Pronunciation, further practice in character recognition and speaking, sentence structure, approached through more advanced readings in context of Japanese culture.
Prerequisite: Japanese 102 or written permission of instructor.
Credit: 3 Hours.

Japanese 202 Intermediate Japanese II

Continued practice in pronunciation, character recognition, speaking, sentence structure, approached through continued readings in context of Japanese culture and history.
Prerequisite: Japanese 201 or written permission of instructor.
Credit: 3 Hours.

History 211 World of Asia—Traditional Period

Introduction to early East and Southeast Asian history. Covers social, cultural, and political developments from prehistory to eve of increasing contacts between Asians and Europeans in the sixteenth century.
Credit: 3 Hours.

History 212 World of Asia—Modern Period

Social, cultural, and political history of East and Southeast Asia from the sixteenth century to the present. One major theme is the different responses of the diverse traditional Asian societies to increasing contacts with the West, mainly in the form of Western imperialism.
Prerequisite: History 211.
Credit: 3 Hours.

History 225 Survey of Chinese History

History of China from earliest archaeological evidence through establishment of People's Republic of China in 1949. Formation of China's social and political culture up to eve of Communist victory in mainland China.
Credit: 3 Hours.

History 356 Modern Japanese History

Late Tokugawa to end of twentieth century, focusing on remarkable Japanese transition from a feudal society to an economic superpower. Examines Japan's success in borrowing ideas, institutions, and political forms and adapting them to fulfill national priorities.
Credit: 3 Hours.

History 358 Modern Chinese History

Last century of imperial rule and the Chinese revolution. Includes the challenges of Western influences to China's traditions, and the interplay between domestic and external factors in determining China's recent history.
Credit: 3 Hours.

Leadership 350 Global Leadership Studies

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 work of the course may then be modified to include discipline specific work.
Credit: 3 Hours.

Philosophy 210 Introduction to Eastern Philosophy

Lecture, reading, and discussion of representative philosophical thought in India and China. Vedantism, Buddhism, Confucianism, Taoism, and Ch'an (Zen) Buddhism among schools surveyed. Comparison of philosophical thought of East and West.
Credit: 3 Hours.

Political Science 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.
Prerequisite: History 225.
Credit: 3 Hours.

Political Science 312 Political Systems of Developing Nations

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.
Credit: 3 Hours.

Political Science 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.

Political Science 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.

Theatre Arts 313 Asian Drama

Reading course in classic drama and traditional theatre forms of India, China, Southeast Asia, and Japan. Offered alternate years.
Credit: 3 Hours.

Astronomy

(See Physics)

Athletic Training

(see Sports Medicine)

Website: <http://www.marietta.edu/~provost.majors/alliedhealth.html>

Biochemistry

(See Biology or Chemistry for major)

Website: <http://www.marietta.edu/~provost.majors/biochemistry.html>

Biology

Department of Biology and Environmental Science

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

Chair: Dr. Peter E. Hogan (hoganp@marietta.edu)

Associate professors: Steven R. Spilatro, David G. McShaffrey, Almuth H. Tschunko; assistant professor: David C. Brown; lecturer: Tanya K. Jarrell

Secretary: Judith Dunn

Requirements for a major in Biochemistry: Biology 101, 105, 131, and three other courses in Biology selected from 202, 309, 330, 420, and 430; Chemistry 131-134, 231, 303 - 306, 420, and 422; Biology 490 and 491 or Chemistry 495 and/or 496; Mathematics 125; and Physics 211, 212. [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 126), and General Physics (Physics 221 and 222) instead of College Physics (Physics 211, 212). Biology 420 is recommended for students interested in graduate school or in working in a genetics laboratory].

General Biology **7 Hours**
BIOL 101 BIOL 105 BIOL 131

Biology Electives: Any 3 of the following **10 to 12 Hours**
BIOL 202 BIOL 309 BIOL 330
BIOL 420 BIOL 430

Chemistry:	24 Hours
CHEM 131,133 <input type="checkbox"/>	CHEM 132,134 <input type="checkbox"/>
CHEM 231 <input type="checkbox"/>	CHEM 303,305 <input type="checkbox"/>
CHEM 304,306 <input type="checkbox"/>	CHEM 420,422 <input type="checkbox"/>
Calculus	4 Hours
MATH 125 <input type="checkbox"/>	
Physics	8 Hours
PHYS 211 <input type="checkbox"/>	PHYS 212 <input type="checkbox"/>
Senior Capstone: One of the following	3 Hours
BIOL 490, 491 <input type="checkbox"/>	
or	
CHEM 495, 496, or both <input type="checkbox"/>	
Total	56 to 58 Hours

Requirements for a major in Biology: 40 hours in Biology to include Biology 101, 102, 105, 106, and 131; Internship or Tutorship (Biology 497 or 498); Library Research I and II (Biology 480 and 481) or Biology Research I and II (Biology 490 and 491); one cellular course (Biology 309 or 330); one organ course (Biology 203 or 212); one organism course (Biology 220, 222, 311, or 312); one population course (Biology 318, 320, or 450); one plant course (Biology 311 or 312); one animal course (Biology 203, 212, 220, 222, or 320); one field course (Biology 220-221, 222-223, 311, 312, 318-319, or 450); one experimental course (Biology 309, 318 - 319, 320 - 322, or 420); and an additional selection of courses from Biology curriculum to total 40 hours of Biology; Chemistry 131 - 134, and Chemistry 303 and 305; one Computer Science course (105 or higher); and one Mathematics course (124 or higher) or one Statistics course (Psychology 285 or Math 123).

General Biology	12 Hours
BIOL 101 <input type="checkbox"/>	BIOL 102 <input type="checkbox"/>
BIOL 106 <input type="checkbox"/>	BIOL 131 <input type="checkbox"/>
BIOL 497 or 498 <input type="checkbox"/>	

Biology Distributions: Complete Each Division Requirement

Cellular: Either of the following	3 or 4 Hours
BIOL 309 <input type="checkbox"/>	BIOL 330 <input type="checkbox"/>

Organ: One of the following	3 or 4 Hours
BIOL 203 <input type="checkbox"/>	BIOL 212 <input type="checkbox"/>

Organism: One of the following	3 or 4 Hours
BIOL 220 <input type="checkbox"/>	BIOL 222 <input type="checkbox"/>
BIOL 312 <input type="checkbox"/>	BIOL 311 <input type="checkbox"/>

Population: One of the following	3 or 4 Hours
BIOL 318 <input type="checkbox"/>	BIOL 320 <input type="checkbox"/>

Plant: One of the following	4 Hours
BIOL 311 <input type="checkbox"/>	BIOL 312 <input type="checkbox"/>

Animal: One of the following	3 to 4 Hours
BIOL 203 <input type="checkbox"/>	BIOL 212 <input type="checkbox"/>
BIOL 222 <input type="checkbox"/>	BIOL 320 <input type="checkbox"/>

Field: One of the following	4 Hours
BIOL 220 & 221 <input type="checkbox"/>	BIOL 222 & 223 <input type="checkbox"/>
BIOL 311 <input type="checkbox"/>	BIOL 312 <input type="checkbox"/>
BIOL 318 & 319 <input type="checkbox"/>	BIOL 450 <input type="checkbox"/>

Experimental: One of the following	4 Hours
BIOL 309 <input type="checkbox"/>	BIOL 318 & 319 <input type="checkbox"/>
BIOL 320 & 322 <input type="checkbox"/>	BIOL 420 <input type="checkbox"/>

Senior Capstone: Either option	2 to 3 Hours
Library Research Project: BIOL 480 <input type="checkbox"/>	BIOL 481 <input type="checkbox"/>

or

Research Project:	2 to 3 Hours
BIOL 490 <input type="checkbox"/>	BIOL 491 <input type="checkbox"/>

Biology Electives: An additional selection of courses from Biology Curriculum to total 40 hours of Biology.

Chemistry	12 Hours
CHEM 131, 133 <input type="checkbox"/>	CHEM 132, 134 <input type="checkbox"/>
CHEM 303, 305 <input type="checkbox"/>	
Computer Science	3 Hours
CSCI 105 or Higher <input type="checkbox"/>	
Math or Statistics	3 or 4 Hours
PSYC 285 <input type="checkbox"/> or MATH 123 <input type="checkbox"/>	
or MATH 124 or Higher <input type="checkbox"/>	
Total	59 Hours

Requirements for a minor in Biology: Biology 101, 102, 105, 106, 131, and 11 hours of Biology electives.

BIOL101 Modern Biology

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

Prerequisites: Concurrent registration in Biology 105.

Credit: 3 Hours.

BIOL102 Environmental Biology

Lecture course in the applications of the scientific method, as developed in Biology 101 and 105, 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.

Prerequisites: Biology 101 and concurrent registration in Biology 106 or Geology 101 and concurrent registration in Biology 111.

Credit: 3 Hours.

BIOL105 Modern Biology Laboratory

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. There will be periodic quizzes, homework assignments, and lab reports required.

Prerequisite: Concurrent registration in Biology 101.

Credit: 1 Hour.

BIOL106 Environmental Biology Laboratory

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. There will be periodic quizzes, homework assignments, and lab reports required.

Prerequisite: Biology 105 and concurrent registration in Biology 102.

Credit: 1 Hour.

BIOL 111 Organisms and Environment

A laboratory course in which students apply the scientific method to a variety of topics in biology and environmental science. Students design and carry out experiments using various scientific tools and techniques, including computers and sensors to gather and analyze data. There will be a rigorous writing component, e.g. lab reports.

Prerequisite: Geology 101 and concurrent registration in Biology 102.

Credit: 1 Hour.

BIOL131 Introduction to Cellular and Molecular Biology

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.

Prerequisite: Biology 101.

Credit: 3 Hours.

BIOL202 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.

BIOL203 Human Physiology

Lecture course in the physiology of humans. Topics include membrane physiology, control of cellular activity, digestion, metabolism and temperature regulation, nerve and muscle physiology, circulation, immunity, respiration, neurophysiology, and endocrinology.

Recommended prerequisite: Biology 212.

Credit: 3 Hours.

BIOL212 Human Anatomy

Lecture and laboratory course in gross anatomy of humans. Structures of major organ systems elucidated through lecture, use of A.D.A.M. software and anatomical models with possible occasional dissection of nonhuman cadavers and/or nonhuman cadaver parts.

Credit: 4 Hours.

BIOL220 Invertebrate Zoology

Exploration of 95 percent of animal species, from microscopic world of rotifers to the intricate colors of a butterfly's wing. Investigation of anatomy, taxonomy, ecology, and behavior of these fascinating organisms.

Credit: 3 Hours.

BIOL221 Invertebrate Zoology Laboratory

Local field trips to collect invertebrates for study. Laboratory identification and examination of collected material.

Prerequisite: Concurrent enrollment in Biology 220.

Credit: 1 Hour.

BIOL222 Vertebrate Zoology

The study of the behavioral and morphological adaptations of the vertebrates. We will also examine the taxonomy and ecology of vertebrate animals.

Credit: 3 Hours.

BIOL223 Vertebrate Zoology Laboratory

Field trips to observe native fish, amphibians, reptiles, birds and mammals. Laboratory identification and examination of collected material.

Prerequisite: Concurrent enrollment in Biology 222

Credit: 1 Hour.

BIOL285 Applied Nutrition

Chemical composition and importance of various foods as digested and absorbed by the body. Human energetics and nutrient requirements as critical components of balanced diet. Dietary planning for disease/disorder prevention and management, emphasize athlete nutrition. (Also listed as Sports Medicine 285.)

Prerequisite: Biology 101 or written permission of instructor.

Credit: 3 Hours.

BIOL309 Cell Biology

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.

Prerequisites: Chemistry 131 - 134 and Biology 131.

Credit: 4 Hours.

BIOL311 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 102, or written permission of instructor.

Credit: 4 Hours.

BIOL312 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 102, or written permission of instructor.

Credit: 4 Hours.

BIOL318 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.

Prerequisite: Computer Science 105 or higher (CSCI 210 recommended).

Credit: 3 Hours.

BIOL319 Ecology Laboratory

Field-oriented investigations of local ecosystems designed to reinforce principles covered in Biology 318.

Prerequisites: Concurrent registration in Biology 318.

Credit: 1 Hour.

BIOL320 Animal Behavior

A lecture course dealing with the principle methods of animal behavior. Includes the history of animal behavior, "nature-nurture controversy," major behavioral concepts, nervous and endocrine control of behavior, development of behavior, and such specific behaviors as aggression, biological rhythms, communication, orientations, predator/prey relationships, and social behavior. Offered alternate years.

Prerequisite: Biology 101/102/105/106 recommended.

Credit: 3 Hours.

BIOL322 Animal Behavior Laboratory

Examination of basic invertebrate and vertebrate behaviors in a highly experimental framework. Offered alternate years.

Prerequisite: Concurrent enrollment in Biology 320.

Credit: 1 Hour.

BIOL325 Biology of Aging

Theories of the causes of aging. Cellular aging and major body systems are discussed in reference to normal functions and changes that occur in response to the aging process.

Prerequisite: Biology 101/105/203 recommended.

Credit: 3 Hours.

BIOL330 Genetics

Modern genetics including Mendelian and other patterns of inheritance, population genetics, genetic mapping, DNA and gene structure and function, genetic diseases, and introduction to genetic engineering.

Prerequisite: Biology 131.

Credit: 3 Hours.

BIOL401 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: 2 Hours.

BIOL420 Biotechnology

Fundamentals and application of molecular genetics and genetic engineering. In-depth look at recombinant DNA, gene structure and expression, mutations, mobile elements, and viruses as they apply to biotechnology in agriculture, industry, and medicine. Laboratory covers fundamental techniques of molecular genetics. Offered alternate years.

Prerequisites: Biology 131; and Chemistry 131-4.

Recommended prerequisite: Biology 330.

Credit: 4 Hours.

BIOL430 Immunology

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.

Prerequisites: Biology 131 and Chemistry 131-4.

Recommended prerequisite: Biology 309.

Credit: 3 Hours.

BIOL450 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: One or more of Biology 220, 222, and 312.

Credit: 4 Hours.

BIOL480 Biology Library Research I

Students pursue library research on a topic agreed upon between the student and the faculty in the Biology Department. This endeavor enables students to apply their knowledge of biology in a theoretical manner to a specific area of biology. Culmination of this experience is in Biology 481. (Either this course or Biology 490 is required of all senior biology majors.)

Prerequisites: Biology major and Senior status.

Credit: 1 Hour.

BIOL481 Biology Library Research II

The library research done in Biology 480 is written in scientific form and presented in a formal seminar in the Biology Department. (Either this course or Biology 491 is required of all Senior biology majors.)

Prerequisite: Biology 480 or written permission of the chair of the Biology Department.

Credit: 1 Hour.

BIOL490 Biology Research I

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. This endeavor also requires the student to do an extensive review of the relevant literature. Culmination of this experience is in Biology 491. (Either this course or Biology 480 is required of all Senior biology majors.)

Prerequisites: Biology or Biochemistry major and Senior status.

Credit: 1 Hour.

BIOL491 Biology Research II

Hands-on research done in Biology 490 is written in scientific form (although actual publication is not required) or presentation at a poster session, and presentation of research results will be made in a formal seminar in the Biology Department. (Either this course or Biology 481 is required of all Senior biology majors.)

Prerequisite: Biology 490.

Credit: 2 Hours.

BIOL495 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.

BIOL497 Internship

Internships provide credit for educational value of certain work experiences. Such internships are worked out on an individual basis.

Prerequisite: Junior or Senior standing.

Credit: 1 to 3 Hours.

BIOL498 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 Mass Media)

Business

(See Economics, Management and Accounting)

Career Planning

Director of the Career Center: Ms. Kathleen Fisher (fisherwk@marietta.edu)

Instructor: Kenneth Bailey

Secretary: Marilyn Pottmeyer

The Career Center services the career needs of all students and alumni/ae. As part of its program, the Center provides two courses carrying academic credit.

Career Planning: From Major to Career, College 200, will challenge students to articulate their strengths and skills through self-assessments and research projects. There will be a great deal of interaction with instructors, classmates, guest speakers and career mentors outside of the classroom to reinforce research and supplementary reading and writing assignments. There will be regular reading and writing assignments covering various career development theories to give students insight into sharpening decision making skills and focussing on the variety of paths available to achieving career satisfaction beginning with an academic major.

This course is primarily designed for students in their freshman or sophomore years and to complement the First Year Seminar, FYSE 101. However, the seminar is not a prerequisite for the course.

Career Planning: The Job Search, College 400, will

assist students in the internship/job search and cover all avenues of job and internship searches, résumé writing, cover letter writing, interviewing—to include mock interviews and informational interviews, follow-up, evaluating offers, salary negotiation, and on-the-job issues.

COLLEGE 200 Career Planning: From Major to Career

Meeting once weekly in the Spring semester, this course is designed for students who are undecided about an academic major and career direction, as well as students who have chosen a major and are either not sure they have made an appropriate choice, or not sure what they can do with their chosen major upon graduation. The course explores the processes and theories of career development while utilizing a variety of resources in its instruction including self assessment tools, text-

book, library resources, the Internet, and a great deal of personal interaction with classmates and instructors. There will be a culminating research project involving a career path of the student's choice.

Credit: 1 Hour

COLLEGE 400 Career Planning: The Job Search

Meeting once weekly in the Fall semester, this course is for students who are embarking on internships and/or seeking

their first job. The course will cover the search process from the initial phase of locating possibilities to the final stage of actually applying for positions. The course is intended to take students through the steps of locating leads, developing cover letters and résumés, and articulating in an interview situation the skills developed through their liberal arts education.

Prerequisite: Junior or senior standing

Credit: 1 Hour

Chemistry

Department of Chemistry

Website: <http://www.marietta.edu/~provost/majors/chemistry.html>

Chair: Dr. Debra S. Egolf (egolfd@marietta.edu)

Professor Robert G. Walker; assistant professors: Jillian R. Moncarz, Kevin L. Pate

Secretary: Judith Dunn

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, 131, and three other courses in Biology selected from 202, 309, 330, 420, and 430; Chemistry 131-134, 231, 303 - 306, 420, and 422; Biology 490 and 491 or Chemistry 495 and/or 496; Mathematics 125; and Physics 211, 212. [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 126), and General Physics (Physics 221, 222) instead of College Physics (Physics 211, 212). Biology 420 is recommended for students interested in graduate school or in working in a genetics laboratory].

General Biology	7 Hours	
BIOL 101 <input type="checkbox"/>	BIOL 105 <input type="checkbox"/>	BIOL 131 <input type="checkbox"/>

Biology Electives: Any 3 of the following	10 to 12 Hours	
BIOL 202 <input type="checkbox"/>	BIOL 309 <input type="checkbox"/>	BIOL 330 <input type="checkbox"/>
BIOL 420 <input type="checkbox"/>	BIOL 430 <input type="checkbox"/>	

Chemistry:	24 Hours
CHEM 131,133 <input type="checkbox"/>	CHEM 132,134 <input type="checkbox"/>
CHEM 231 <input type="checkbox"/>	CHEM 303,305 <input type="checkbox"/>
CHEM 304,306 <input type="checkbox"/>	CHEM 420,422 <input type="checkbox"/>

Calculus	4 Hours
MATH 125 <input type="checkbox"/>	

Physics	8 Hours
PHYS 211 <input type="checkbox"/>	PHYS 212 <input type="checkbox"/>

Senior Capstone: One of the following	3 Hours
BIOL 490, 491 <input type="checkbox"/>	
or	
CHEM 495, 496, or both <input type="checkbox"/>	

Total	56 to 58 Hours
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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 126, and Physics 221 and 222. Capstone requirement: Chemistry 495 and/or 496 (3 hours).

Chemistry Courses:	35 Hours
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CHEM 131, 133 <input type="checkbox"/>	CHEM 132, 134 <input type="checkbox"/>
CHEM 231 <input type="checkbox"/>	CHEM 303, 305 <input type="checkbox"/>
CHEM 304, 306 <input type="checkbox"/>	CHEM 331 <input type="checkbox"/>
CHEM 332 <input type="checkbox"/>	CHEM 351 <input type="checkbox"/>
CHEM 408 <input type="checkbox"/>	

Chemistry Elective: One of the following	3 Hours
CHEM 343 <input type="checkbox"/>	CHEM 352 <input type="checkbox"/>
CHEM 420 <input type="checkbox"/>	CHEM 375 <input type="checkbox"/>

Mathematics	8 Hours
MATH 125 <input type="checkbox"/>	MATH 126 <input type="checkbox"/>

Physics	8 Hours
PHYS 221 <input type="checkbox"/>	PHYS 222 <input type="checkbox"/>

Senior Capstone: One or both of the following	3 Hours
CHEM 495 <input type="checkbox"/>	CHEM 496 <input type="checkbox"/>

Total	57 Hours
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Requirements for a minor in Chemistry: general (Chemistry 131-134), inorganic (Chemistry 351), organic (Chemistry 303, 305), quantitative analysis (Chemistry 231), plus 3 hours of Chemistry electives excluding Chemistry 101 and Chemistry 377.

CHEM 101 Modern Chemistry

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 one 3-hour laboratory period per week.

Credit: 4 Hours.

CHEM 131 General Chemistry I

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.

Prerequisites: A satisfactory score on the mathematics placement test or Mathematics 080; concurrent registration in Chemistry 133.

Credit: 3 Hours.

CHEM 132 General Chemistry II

Emphasizes chemical kinetics, equilibrium, electrochemistry, thermodynamics, nuclear chemistry, environmental chemistry and descriptive chemistry.

Prerequisites: Chemistry 131; concurrent registration in Chemistry 134.

Credit: 3 Hours.

CHEM 133 General Chemistry Laboratory I

Laboratory program emphasizing techniques and basic principles of topics covered in Chemistry 131.

Prerequisite: concurrent registration in Chemistry 131.

Credit: 1 Hour.

CHEM 134 General Chemistry Laboratory II

Emphasizes identification of ions and topics covered in Chemistry 132.

Prerequisites: Chemistry 133; concurrent registration in Chemistry 132.

Credit: 1 Hour.

CHEM 190 Chemistry Laboratory Techniques

Introduction to the use of instrumentation and modern techniques for chemical investigation in a lab-based course. Topics span the major chemistry disciplines—analytical, inorganic, organic, and physical chemistry and biochemistry. Hands-on experience using sophisticated instrumentation (e.g. FT-NMR, FT-IR, and UV-visible spectrometers, laser equipment, etc.), computers, and molecular modeling software.

Prerequisites: Concurrent registration in Chemistry 132/134 and permission of department chair.

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.

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.

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: Chemistry 303.

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.

Prerequisite: Chemistry 303 or concurrent registration.

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.

Prerequisites: Chemistry 305, Chemistry 304 or concurrent registration.

Credit: 1 Hour.

CHEM 331 Physical Chemistry I

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.

Prerequisites: Chemistry 132 and 134, Mathematics 126, 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.

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.

Prerequisites: Chemistry 331 and 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.

Prerequisites: Chemistry 231 and 331, 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.

Prerequisite: Chemistry 420 or concurrent registration.

Credit: 1 Hour.

CHEM 495 Directed Research**CHEM 496 Independent Study*****Chinese***

(See Modern Languages)

Coaching

(See Health and Physical Education for minor)

Communication

Department of Communication and Theatre Arts

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

Chair: Prof. Ron Loreman (loremanr@marietta.edu)

Professor: Mabry M. O'Donnell; assistant professors: Liane Gray-Starner, Martha J. Tipton, Suzanne Walker; visiting assistant professor:

Chad C. Edwards; professor of organizational communication: Sue DeWine

Secretary: Barbara S. Hickman

Requirements for a major in Organizational Communication:

Communication 205, 210, 250, 301, 314, 320, 380, 420, and 430; Mass Media 101, 121, 207, 230, 309, 312, 370, 420; Communication/Mass Media 310, 397; Computer Science 105.

Communication **25 Hours**

COMM 205 <input type="checkbox"/>	COMM 210 <input type="checkbox"/>	COMM 250 <input type="checkbox"/>
COMM 301 <input type="checkbox"/>	COMM 314 <input type="checkbox"/>	COMM 320 <input type="checkbox"/>
COMM 380 <input type="checkbox"/>	COMM 420 <input type="checkbox"/>	COMM 430 <input type="checkbox"/>

Mass Media **24 Hours**

MASS 101 <input type="checkbox"/>	MASS 121 <input type="checkbox"/>	MASS 207 <input type="checkbox"/>
MASS 230 <input type="checkbox"/>	MASS 309 <input type="checkbox"/>	MASS 312 <input type="checkbox"/>
MASS 370 <input type="checkbox"/>	MASS 420 <input type="checkbox"/>	

Communication/Mass Media **6 Hours**

COMM/MASS 310 COMM/MASS 397

Computer Science **3 Hours**

CSCI 105

Total **58 Hours**

Recommended Courses:

COMM 190 <input type="checkbox"/>	COMM 217 <input type="checkbox"/>	MASS 150 <input type="checkbox"/>
ACCT 201 <input type="checkbox"/>		

Requirements for a major in Communication Studies:

COMM 190, 201, 205, 209, 210, 217, 230, 250, 301, 314 or 320, 319 or 380, and 420, 481

Communication **35 Hours**

COMM 190 <input type="checkbox"/>	COMM 201 <input type="checkbox"/>	COMM 205 <input type="checkbox"/>
COMM 209 <input type="checkbox"/>	COMM 210 <input type="checkbox"/>	COMM 217 <input type="checkbox"/>
COMM 230 <input type="checkbox"/>	COMM 250 <input type="checkbox"/>	COMM 301 <input type="checkbox"/>

Either COMM 314 or 320

Either COMM 319 or 380

COMM 420 COMM 481

Total **35 Hours**

Requirements for a minor in Communication Studies:

Communication 101 or Honors 202, Communication 230, 3 of Communication 205, 301, 310, 320, 380, 420, 9 hours of additional Communication courses.

Requirements for a certificate in Oral Communication:

Communication 101; 12 hours chosen from Communication 201, 202, 205, 209, 250, 301, or 420 and Theatre Arts 106, 304, and 314; and a public performance documented by the department. All course work requires a grade of C or better and an overall grade point average of 2.500 or better in the 12 hours of

required courses. Students may also achieve this certificate "with distinction." This certification will be awarded to students who have completed the above requirements and also compiled a "significant record of accomplishment in cocurricular activities." This record will be defined as at least three semesters of active involvement in one or more performance-oriented activities as verified by the coach or director of that activity.

Communication 101 is a prerequisite for all other 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.)

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 190 Introduction to Multimedia

Introduction to the hardware and software in the Hermann Multimedia Computer Lab. Topics to be covered include the most recent versions of Windows, PowerPoint, Adobe Photoshop, and Corel Draw. The course is taught in the format of four, three-hour workshops, with tutorials between classes, during the first four weeks of each semester.

Credit: 1 Hour.

COMM 201 Fundamentals of Interpretation

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 202 Advanced Interpretation

Course helps students further develop analytic, vocal, and physical skill developed in Communication 201. Course places a greater emphasis on the preparation of oral interpretation programs having more than one selection in pairs and larger groups in such media as dramatic duo and reader's theatre.

Recommended prerequisite: Communication 201.

Credit: 3 Hours.

COMM 205 Advanced Oral Communication

Preparation and delivery of speeches to inform, persuade, and entertain.

Credit: 3 Hours.

COMM 209 Argumentation and Debate

Argumentation theory provides a foundation for students to learn how to develop effective arguments and to engage in critical debate with others. Emphasis is placed on learning how to be an effective advocate. Students will engage in several class debates and will be required to participate in at least one public forum.

Credit: 3 Hours.

COMM 210 Principles of Parliamentary Procedure

Introduces students to the basics of Parliamentary Procedure. Focus will be on learning to use Robert's Rules of Order to effectively lead business meetings.

Credit: 1 Hour.

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 230 Human Communication Theory

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.

Credit: 3 hours.

COMM 250 Interviewing Principles and Practices

Theory and practice of methods in selected interview settings: informational, employment, and persuasive. Emphasis on communication between two persons, questioning techniques, and the logical and psychological bases of interpersonal persuasion. Experience will be obtained in both interviewer and interviewee roles.

Credit: 3 hours.

COMM 291 Advanced Multimedia

Advanced uses of the hardware and software in the Hermann Multimedia Lab. Applications to be covered include the latest versions of Presentations, Cool Edit, Photoshop, the Corel Draw Suite, and use of a digital camera. Taught by the tutorial method.

Prerequisite: Art/Communication/Theatre 190.

Credit: 3 Hours.

COMM 301 Group Discussion and Leadership

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 310 Organizational Communication

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. (Also listed as Mass Media 310.)

Credit: 3 Hours.

COMM 314 Persuasion and Propaganda

Survey of modern theories of attitude change in all media, emphasizing quantitative research. Applications of persuasion theory to advertising, language usage, and modern propaganda. Prerequisite: Communication 190 or equivalent (may be taken concurrently).

Credit: 3 Hours.

COMM 319 Notable American Women

Communication skills and leadership qualities of outstanding American women from nation's founding to present. (Also listed as History 319.)

Prerequisite: Junior or Senior standing

Credit: 3 Hours.

COMM 320 Integrated Marketing Communication

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 their products. Special emphasis is given to integrated marketing communication, a strategy of coordinating and combining messages for maximum impact. A case study approach and community client projects provide students with a variety of application experiences.

Prerequisites: Communication 190 or equivalent, Communication 314

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. Topics may include, but are not limited to Interpersonal Communication, Intercultural Communication, Crisis Communication, etc.

Credit: 3 Hours.

COMM 420 Business Communication Seminar

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

Prerequisite: Junior or Senior standing.

Credit: 3 Hours.

COMM 430 Instruction Development and Training in Communication

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 310 and junior or senior standing.

Credit: 3 Hours.

COMM 430 has been approved as an Advanced Studies course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section of the catalog for details of the Advanced Studies requirement.

COMM 481 Research Methods

Individual work, group discussions, and research on basic principles and processes of special areas in communication.

Prerequisite: Communication 230

Credit: 3 Hours.

COMM 481 has been approved as an Advanced Studies course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section of the catalog for details of the Advanced Studies requirement.

COMM 497 Internship in Communication

Credit: 1 to 3 Hours.

COMM 497 has been approved as an Advanced Studies course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section of the catalog for details of the Advanced Studies requirement.

Computer Information Systems

(See Computer Science for major and minor)

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

Computer Science

Department of Computer Science

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

Chair: Dr. David Mader (maderd@marietta.edu)

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, 240, 310, 342, 365, 371, 380, 420, and two additional Computer Science courses numbered 300 or above; Mathematics 125, 126, and one additional Mathematics course numbered 300 or above; and Physics 211 and 212, or 221 and 222, and 241.

Computer Science Courses	30 Hours
CSCI 115 <input type="checkbox"/>	CSCI 116 <input type="checkbox"/>
CSCI 216 <input type="checkbox"/>	CSCI 240 <input type="checkbox"/>
CSCI 342 <input type="checkbox"/>	CSCI 365 <input type="checkbox"/>
CSCI 380 <input type="checkbox"/>	CSCI 215 <input type="checkbox"/>
CSCI 310 <input type="checkbox"/>	CSCI 371 <input type="checkbox"/>

Computer Science Elective	6 Hours
Any two 300 or greater level Computer Science Course <input type="checkbox"/> <input type="checkbox"/>	

Mathematics Courses	11 Hours
MATH 125 <input type="checkbox"/> MATH 126 <input type="checkbox"/>	

Physics Courses	10 Hours
PHYS 211 <input type="checkbox"/> and 212 <input type="checkbox"/> or PHYS 221 <input type="checkbox"/> and 222 <input type="checkbox"/>	

Senior Capstone	3 Hours
CSCI 420 <input type="checkbox"/>	

Total	60 Hours
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Requirements for a major in Computer Information Systems: Computer Science 105, 115, 116, 120, 215, 240, 305, 310, 365, 371, 420, and one additional Computer Science course numbered 300 or above; Accounting 201 and 202; Management 220 and 301; Mathematics 123; and three additional courses chosen from Management and/or Accounting courses numbered 300 or above.

Computer Science Courses	30 Hours
CSCI 105 <input type="checkbox"/> CSCI 115 <input type="checkbox"/>	CSCI 116 <input type="checkbox"/>
CSCI 120 <input type="checkbox"/> CSCI 215 <input type="checkbox"/>	CSCI 240 <input type="checkbox"/>
CSCI 305 <input type="checkbox"/> CSCI 310 <input type="checkbox"/>	CSCI 365 <input type="checkbox"/>
CSCI 371 <input type="checkbox"/>	

Computer Science Elective: One of the following	3 Hours
Any two 300 or greater level Computer Science Course <input type="checkbox"/>	

Accounting Courses	6 Hours
ACCT 201 <input type="checkbox"/> ACCT 202 <input type="checkbox"/>	

Mathematics Courses **3 Hours**

MATH 123

Management Courses **6 Hours**

MNGT 220 MNGT 301

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, 240, 310, 342, and 380.

Requirements for a minor in Computer Information Systems: Computer Science 105, 115, 116, 120, 240, 305, 371, and one additional Computer Science course numbered 300 or above.

Requirements for the Microcomputer Systems Specialist Certificate:

Certificate: Computer Science 105, 115, 150 (all three sections), 250, 260, 270; Management 220; plus one three-hour elective chosen with the approval of the department. All course work for the certificate requires an average grade of C. This certificate is intended primarily for students in the Continuing Education Program, but some courses are available to regular day students on a space-available basis.

CSCI 105 Microcomputer Applications

Overview of microcomputer hardware and software systems that enhance personal and professional productivity. Overview of computer components, microcomputer operating systems, word processing, spreadsheets, and database management systems. Emphasizes integrated use of these tools to solve problems. Involves substantial amount of lab work outside of class.
Credit: 3 Hours.

CSCI 115 Computer Programming I

Introductory analysis, design, implementation, and debugging of well-structured computer programs written in C++. Style and documentation emphasized. Primitive commands, basic data types, control structures, scope, functions, parameters, arrays, records and classes.
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. Prerequisite: Computer Science 115.

Credit: 3 Hours.

CSCI 120 Business Application Programming

Structure of widely used COBOL programming language and algorithms that serve as basis for supporting business information systems. Use of structured COBOL and software engineering techniques to implement projects involving screen management, file processing, and multilevel reports.

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.

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. hardwired control, input/output, and interrupts.

Prerequisite: Computer Science 215.

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 multi-lists.

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.

Prerequisite: 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 multi-linked 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 240.

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 alternate years.

Prerequisites: Computer Science 310 and Mathematics 126.

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 alternate years. (Also listed as Mathematics 340.)

Prerequisites: Mathematics 126 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 116 and completion of at least one 200-level Computer Science course.

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 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 alternate years)

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 alternate years.

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.

Prerequisite: 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 nondeterminism. (Offered alternate years)

Prerequisites: 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.

Prerequisites: At least one 300-level Computer Science Course.
Credit: 3 Hours.

Courses for Microcomputer Systems Specialist Certificate**CSCI 150 Advanced Software Applications**

Advanced survey of popular applications software packages, such as word processors, spread sheets, database systems, and operating systems. May be repeated up to three times, provided that a different software package is covered each time. On the transcript, this course listed with software package in parentheses.

Prerequisite: Computer Science 105 or written permission of instructor.

Credit: 1 Hour.

CSCI 250 Microcomputer Operating Systems and Architectures

Architecture of Intel 8086 family of processors, and its relationship to structure of MS-DOS and similar operating systems. Students write small assembly language programs which interface to various parts of system architecture, such as graphics, printers, memories, disks, and serial ports. Variety of BIOS and DOS interrupts investigated.

Prerequisites: Computer Science 105 and 115.

Credit: 3 Hours.

CSCI 260 Microcomputer Database Design and Programming

Database design theory and its application to microcomputer operational information systems. Network vs. relational models, normal forms for relations, relational operators (selection, projection, join, union, difference), integration with programming languages, implementation concerns, local area network systems, and database security. Students design database and write significant programs to operate on it.

Prerequisites: Computer Science 115 and 150.

Credit: 3 Hours.

CSCI 270 Microcomputer Systems Development Project

Capstone project to integrate technical and organizational ideas developed in earlier courses. Fairly complete microcomputer life cycle methodology used for realistic application. Students conduct feasibility study, analyze user data needs and concisely express them with data-flow and data structure diagrams, deduce software and hardware needs, survey existing software and hardware, suggest possible purchases, help install hardware and software, design and write any needed customized software, and train users.

Prerequisites: Computer Science 250 and 260.

Credit: 3 Hours.

Corporate Communications

(See either Communication or Mass Media for major)

Economics, Management and Accounting

Marcus and Mindel Vershok Brachman Department of Economics, Management and Accounting,

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

Chair: Dr. Sidney Potash (potashs@marietta.edu)

Professors: Mark A. Bagshaw, Fraser G. MacHaffie, Edward H. Osborne, Michael B. Taylor; associate professors: Gregory Delemeester, Grace F. Johnson; assistant professor Jacqueline Khorassani; lecturers: Paul Bertram, C. Roger Lewis, Terrence Morris, Robert G. Rodriguez, William White; professor of organizational communication: Sue DeWine
Secretary: Paula R. Lewis

Seven 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.

Students should be aware that Accounting 201 and Economics 211 require a satisfactory score on the mathematics competence test or a grade of C or better in Mathematics 080.

Several courses in the department use Excel spreadsheets. Students lacking a basic knowledge of spreadsheet software are encouraged to enroll in Computer Science 105, Microcomputer Applications, 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, 126, 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 220, and Accounting 201, plus at least two additional courses in Management numbered 300 or above, excluding all internship courses; Accounting 202, 301, 302, 303, and at least five courses chosen from Accounting 311, 320, 401, 410, 420, and 450. (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.)

Accounting	15 Hours	
ACCT 201 <input type="checkbox"/>	ACCT 202 <input type="checkbox"/>	ACCT 301 <input type="checkbox"/>
ACCT 302 <input type="checkbox"/>	ACCT 303 <input type="checkbox"/>	

Accounting Electives: Five of the following	15 Hours	
ACCT 311 <input type="checkbox"/>	ACCT 320 <input type="checkbox"/>	ACCT 401 <input type="checkbox"/>
ACCT 410 <input type="checkbox"/>	ACCT 420 <input type="checkbox"/>	ACCT 450 <input type="checkbox"/>

Economics	6 Hours
ECON 211 <input type="checkbox"/>	ECON 212 <input type="checkbox"/>

Management	9 Hours
MNGT 220 <input type="checkbox"/>	
Two Management Courses 300 or greater level (excluding internships) <input type="checkbox"/> <input type="checkbox"/>	

Total	45 Hours
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Requirements for a major in Economics: Economics 211, 212, 349, 375, 420, and 421; at least 12 additional hours cho-

sen from the remaining Economics courses, Engineering 425, and Political Science 340; Mathematics 123. (Depending on their interest and future plans, students are strongly encouraged to combine the Economics major with another major or minor.)

Economics	18 Hours	
ECON 211 <input type="checkbox"/>	ECON 212 <input type="checkbox"/>	ECON 349 <input type="checkbox"/>
ECON 375 <input type="checkbox"/>	ECON 420 <input type="checkbox"/>	ECON 421 <input type="checkbox"/>

Economics Electives: Four of the following	12 Hours	
ECON 301 <input type="checkbox"/>	ECON 325 <input type="checkbox"/>	ECON 340 <input type="checkbox"/>
ECON 347 <input type="checkbox"/>	ECON 350 <input type="checkbox"/>	ECON 360 <input type="checkbox"/>
ECON 371 <input type="checkbox"/>	ECON 372 <input type="checkbox"/>	ECON 414 <input type="checkbox"/>
ECON 445 <input type="checkbox"/>	ECON 461 <input type="checkbox"/>	ECON X94 <input type="checkbox"/>
ECON X97 <input type="checkbox"/>	EGRG 425 <input type="checkbox"/>	POLS 340 <input type="checkbox"/>

Mathematics	3 Hours
MATH 123 <input type="checkbox"/>	

Total	33 Hours
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Requirements for a major in Human Resource Management: Department core courses of Economics 211 and 212; Management 220 and Accounting 201, plus Economics 371; Management 301, 345, 355, one course chosen from Management 451, 453, or 497; Psychology 101, 212, 303, and 377; English 406 or Communication 420; Communication 250; and Mathematics 123 or Psychology 285.

Economics, Management, and Accounting	25-27 Hours	
ACCT 201 <input type="checkbox"/> ECON 211 <input type="checkbox"/> ECON 212 <input type="checkbox"/>		
ECON 371 <input type="checkbox"/> MNGT 220 <input type="checkbox"/> MNGT 301 <input type="checkbox"/>		
MNGT 345 <input type="checkbox"/> MNGT 355 <input type="checkbox"/>		
and one of the following MNGT 451 <input type="checkbox"/> MNGT 453 <input type="checkbox"/> MNGT 497 <input type="checkbox"/>		
English/Communication Elective:		
one of the following	3 Hours	
ENGL 406 <input type="checkbox"/> COMM 420 <input type="checkbox"/>		
Statistics: One of the following	3 or 4 Hours	
MATH 123 <input type="checkbox"/> PSYC 285 <input type="checkbox"/>		
Communication	3 Hour	
COMM 250 <input type="checkbox"/>		
Psychology	12 Hours	
PSYC 101 <input type="checkbox"/> PSYC 212 <input type="checkbox"/> PSYC 303 <input type="checkbox"/>		
PSYC 377 <input type="checkbox"/>		
Total	46-49 Hours	
<p>The departments of Modern Languages and of Economics, Management, and Accounting combine to offer the International Business Management major. Track 1 of the major is designed for students for whom English is their first language with track 2 available to students for whom English is not their native tongue. Students wishing to follow track 2 must obtain written permission of the chairs of both the Department of Modern Languages and the Department of Economics, Management, and Accounting.</p>		
<p>The major is available 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 Economics, Management and Accounting.</p>		
<p>Requirements for a major in International Business</p>		
<p>Management: Department core courses of Economics 211, 212, Management 220 and Accounting 201, plus Management 301, 325, 381, 388; Political Science 130, 230; at least two courses from Economics 372, 414, Political Science 340, and complete Track 1 or Track 2.</p>		
<p>Track 1: Language 101, 102, 201, 202, and 301.</p>		
<p>Track 2: English 406 or Communication 420. Participation in track 2 requires written permission of the chairs of both the Department of Modern Languages and the Department of Economics, Management, and Accounting.</p>		
Economics, Management and Accounting	24 Hours	
ACCT 201 <input type="checkbox"/> ECON 211 <input type="checkbox"/> ECON 212 <input type="checkbox"/>		
MNGT 220 <input type="checkbox"/> MNGT 301 <input type="checkbox"/> MNGT 325 <input type="checkbox"/>		
MNGT 381 <input type="checkbox"/> MNGT 388 <input type="checkbox"/>		
Political Science	6 Hours	
POLS 130 <input type="checkbox"/> POLS 230 <input type="checkbox"/>		
Economics/Political Science Electives		
Two of the following:	6 Hours	
ECON 372 <input type="checkbox"/> ECON 414 <input type="checkbox"/> POLS 340 <input type="checkbox"/>		
Plus for track 1:		
Language (Select one language)	15 Hours	
LANG 101 <input type="checkbox"/> LANG 102 <input type="checkbox"/> LANG 201 <input type="checkbox"/>		
LANG 202 <input type="checkbox"/> LANG 301 <input type="checkbox"/>		
<p>Depending on the student's level of proficiency, the Department of Modern Languages may waive one or more courses in Chinese, French or Spanish.</p>		
Total for track 1		51 Hours
<p>Plus for track 2:</p>		
English/Communication Elective:		
one of the following:	3 Hours	
ENGL 406 <input type="checkbox"/> COMM 420 <input type="checkbox"/>		
Total for track 2		39 Hours
<p>Requirements for a major in Management: Department core courses of Economics 211, 212, Management 220 and Accounting 201; Accounting 202, plus Management 301, 315, 320, 345, 360, 381; either Management 451 or 453; Mathematics 123; English 406 or Communication 420; Leadership 101, 102, and 305.</p>		
Accounting and Economics	12 Hours	
ACCT 201 <input type="checkbox"/> ACCT 202 <input type="checkbox"/> ECON 211 <input type="checkbox"/>		
ECON 212 <input type="checkbox"/>		
English/Communication Elective:		
one of the following:	3 Hours	
ENGL 406 <input type="checkbox"/> COMM 420 <input type="checkbox"/>		
Leadership	9 Hours	
LEAD 101 <input type="checkbox"/> LEAD 102 <input type="checkbox"/> LEAD 305 <input type="checkbox"/>		
Statistics	3 Hours	
MATH 123 <input type="checkbox"/>		
Management	24 Hours	
MNGT 220 <input type="checkbox"/> MNGT 301 <input type="checkbox"/> MNGT 315 <input type="checkbox"/>		
MNGT 320 <input type="checkbox"/> MNGT 345 <input type="checkbox"/> MNGT 360 <input type="checkbox"/>		
MNGT 381 <input type="checkbox"/>		
One of the following:	3 Hours	
MNGT 451 <input type="checkbox"/> MNGT 453 <input type="checkbox"/>		
Total		51 Hours
<p>Requirements for a major in Marketing: Department core courses of Economics 211 and 212, Management 220 and Accounting 201, plus Management 301, 381, 385, and 432; at least two courses chosen from Management 386, 388, Mass Media 225, Communication 320; one course chosen from Management 451 or 453; and Mathematics 123.</p>		
Economics, Management, and Accounting	24 Hours	
ACCT 201 <input type="checkbox"/> ECON 211 <input type="checkbox"/> ECON 212 <input type="checkbox"/>		
MNGT 220 <input type="checkbox"/> MNGT 301 <input type="checkbox"/> MNGT 381 <input type="checkbox"/>		
MNGT 385 <input type="checkbox"/> MNGT 432 <input type="checkbox"/>		
Management electives: two of the following	6 Hours	
MNGT 386 <input type="checkbox"/> MNGT 388 <input type="checkbox"/> MASS 225 <input type="checkbox"/>		
COMM 320 <input type="checkbox"/>		
One of the following:	3 Hours	
MNGT 451 <input type="checkbox"/> MNGT 453 <input type="checkbox"/>		
Statistics	3 Hours	
MATH 123 <input type="checkbox"/>		
Total		36 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 Economics 211 and 212, Management 220, Accounting 201, Computer Science 105, plus Management 301, 320, 381, and 415; one course chosen from Management 451 or 453; Accounting 202, 301, 302, 303, 320, 405, 410, 420, and at least three courses chosen from 311, 401, 450, and 497; Leadership 305; English 406; Communication 420; and Computer Science 150. (See, also, the requirements for a major in Accounting.)

Accounting Requirements		25 Hours
ACCT 201 <input type="checkbox"/>	ACCT 202 <input type="checkbox"/>	ACCT 301 <input type="checkbox"/>
ACCT 302 <input type="checkbox"/>	ACCT 303 <input type="checkbox"/>	ACCT 320 <input type="checkbox"/>
ACCT 405 <input type="checkbox"/>	ACCT 410 <input type="checkbox"/>	ACCT 420 <input type="checkbox"/>
Accounting Electives: three of the following		9 Hours
ACCT 311 <input type="checkbox"/>	ACCT 401 <input type="checkbox"/>	ACCT 450 <input type="checkbox"/>
ACCT 497 <input type="checkbox"/>		
Computer Science		6 Hours
CSCI 105 <input type="checkbox"/>	CSCI 150 <input type="checkbox"/>	
Economics		6 Hours
ECON 211 <input type="checkbox"/>	ECON 212 <input type="checkbox"/>	
Management		18 Hours
MNGT 220 <input type="checkbox"/>	MNGT 301 <input type="checkbox"/>	MNGT 320 <input type="checkbox"/>
MNGT 381 <input type="checkbox"/>	MNGT 415 <input type="checkbox"/>	
and one of the following		
MNGT 451 <input type="checkbox"/>	MNGT 453 <input type="checkbox"/>	
English		3 Hours
ENGL 406 <input type="checkbox"/>		
Communication		3 Hours
COMM 420 <input type="checkbox"/>		
Statistics		3 Hours
MATH 123 <input type="checkbox"/>		
Leadership		3 Hours
LEAD 305 <input type="checkbox"/>		
Total		76 Hours

Requirements for a minor in Accounting: Accounting 201, 202, 301, 302, 303, and 311; and Management 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; Management 320 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, 212, and 377.

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

Requirements for a minor in Marketing: Accounting 201; Economics 211; and Management 220, 381, 432, and at least one course chosen from Management 385, 386, or 388.

Requirements for a minor in Sports Management: Physical Education 133, Management/Physical Education 330, plus two courses chosen from Physical Education 325, 328, 497; plus, for the **administration track**, Economics 211, Accounting 201, plus two courses chosen from Management 251, 301, 345, 381; Economics 340; plus, for the **information track**, Mass Media 207, 374, plus two courses chosen from Mass Media 230, 308, 309, 370. Students must choose between the administration and information tracks. In offering this minor, the department participates with the Departments of Mass Media and of Health and Physical Education.

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

The department participates in the Entrepreneurship certificate, which is offered through the Bernard P. McDonough Center for Leadership and Business. The requirements for the certificate are listed under “Leadership” in this catalog.

The department offers a Certificate in Accounting. The certificate may be pursued concurrently with any degree program but is aimed primarily at individuals who already possess an undergraduate degree and now wish to develop a documented proficiency in accounting. The series of accounting and related courses in the certificate provides a broad foundation for entry-level employment in the accounting field. When coupled with an undergraduate degree in any field, the certificate meets the requirements for sitting for the Uniform Certified Public Accountant examination and licensing as a CPA in most states with a 150-hour education requirement. Requirements vary slightly from state to state and students should consult their state board of accountancy and the department chair.

Requirements for a Certificate in Accounting: Accounting 201, 202, 301, 302, 303, 320, 410, 420, and six additional hours in accounting; Management 220, 301, 320, 381, 415; Economics 211, 212; Mathematics 123; Leadership 305; English 406; Computer Science 105.

Economics Courses

ECON 211 Principles of Microeconomics

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: Satisfactory score on the Mathematics Placement Test or completing Mathematics 080 with a grade of “C” or better.

Credit: 3 Hours.

ECON 212 Principles of Macroeconomics

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

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

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 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 347 Public Economics

Economic analysis of government behavior and policy at the federal, state, and local levels. Topics include government expenditures, taxes, voting rules, and responses to market failures.

Prerequisites: Economics 211 and 212.

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; offered Spring 2000.)

Prerequisites: Economics 211 and 212.

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.

Prerequisites: 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.

Prerequisites: 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; offered Spring 2000.)

Prerequisites: Economics 211 and 212.

Credit: 3 Hours.

ECON 372 Comparative Economic Systems

Comparative analysis of major contemporary economic systems. Economies of Japan, Germany, Eastern Europe, and China emphasized.

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; offered Spring 1999.)

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, fixed versus flexible exchange rate regimes, and international monetary policies.

Prerequisites: Economics 211 and 212.

Credit: 3 Hours.

ECON 420 Introduction to Econometrics

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

Prerequisites: Economics 211 and 212; and Mathematics 123.

Credit: 3 Hours.

ECON 421 Applied Econometrics

Students develop a research agenda to test an economic theory. Student will choose the topic, review the theoretical and empirical literature, develop empirical model, collect data, estimate the model, conduct tests of hypotheses, prepare a written report and present it to class.

Prerequisite: Economics 420

Credit: 3 Hours.

ECON 421 has been approved as an Advanced Studies course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section of the catalog for details of the Advanced Studies requirement.

ECON 461 Seminar in Economics

Prerequisites: Senior standing and written permission of instructor.

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.

Management Courses

MNGT 220 Management Information Systems

Management Information Systems is the study of how organizations use computerized information systems. It introduces you 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.

Prerequisite: Sophomore standing or higher.

Credit: 3 Hours.

MNGT 251 Small Business Management

Principles and problems of small business management, including business planning, financing new business, alternative legal forms, market strategy, inventory control, personnel, and financial control.

Credit: 3 Hours.

MNGT 252 Entrepreneurship

Basic knowledge about entrepreneurship. Characteristics and ways of thinking of the entrepreneur. Examination of entrepreneurial skills, new ventures, career issues, problems, and opportunities to gain insight into this business perspective of major importance to American and world economies.

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. (Not open to students who have taken MNGT 305, MNGT 306, or both.)

Credit: 3 Hours.

MNGT 320 Financial Management

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

Prerequisites: Accounting 201 and 202.

Credit: 3 Hours.

MNGT 321 Investment Management

Analysis of structure and functioning of stock market, management of securities portfolio; introduction to securities analysis. (Scheduled alternate years; offered 2002-2003.)

Credit: 3 Hours.

MNGT 325 International Financial Management

The course will explore challenges and opportunities for trading globally. An in-depth analysis will be made of an emerging economy, e.g., Brazil. Analysis will also be made of practical aspects of overseas trading such as exchange rate risk management.

Prerequisites: 9 hours of EMACredit.

Credit: 3 Hours.

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).

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: Economics 211.

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. (Scheduled alternate years; offered 2002-2003.)

Prerequisite: Management 381.

Credit: 3 Hours.

MNGT 388 International Marketing

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.

Prerequisite: Management 381.

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. (Not open to students who have taken MNGT305, MNGT306, or both.)

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 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 451 has been approved as an Advanced Studies course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section of the catalog for details of the Advanced Studies requirement.

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 453 has been approved as an Advanced Studies course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section of the catalog for details of the Advanced Studies requirement.

MNGT 461-4 Seminars

Prerequisites: Senior standing.

Credit: 3 Hours each.

461 Seminar in Management

462 Seminar in Marketing

463 Seminar in Finance

464 Seminar in Industrial Relations

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.

MNGT 397, 497 have been approved as Advanced Studies courses. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section of the catalog for details of the Advanced Studies requirement.

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.

Prerequisite: Satisfactory score on the Mathematics Placement Test or completing 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 220.

Credit: 3 Hours.

ACCT 401 Advanced Accounting

Problems peculiar to mergers and consolidations, partnerships, foreign transactions and translation, troubled debt restructurings, bankruptcy reorganizations and liquidations, 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 450 Accounting Theory

In-depth study of Accounting Principles Board (APB) opinions and Financial Accounting Standards Board (FASB) statements and concepts, policy, and the future of accounting standard-setting. Offers foundation for the Financial Accounting and Reporting - Business Enterprises paper of the Uniform CPA Examination.

Prerequisite: Accounting 301.

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. (Does not count toward major requirements, except for major in Public Accounting.)

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

Credit: 1 to 3 Hours.

ACCT 397, 497 have been approved as Advanced Studies courses. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section of the catalog for details of the Advanced Studies requirement.

Education

Department of Education

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

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

Professor: Constance Golden; associate professor: Erin Brumbaugh; assistant professors: William M. Bauer, Marybeth Peebles

Secretary: Linda Gorman

Marietta is approved by the State of Ohio Department of Education to offer teacher education programs in early childhood, middle childhood, adolescent/young adult, and reading. Students wishing to major in early or middle childhood education should meet with a member of the 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 pursuing 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:

- submission of Praxis I scores with minimum scores of Math-174; Reading-175; Writing-173 or ACT composite of 23 or SAT composite of 1060;
- a 2.75 grade point average;
- completion of English 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;
- completion of general education math requirement 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 Education Department will either accept or reject the student’s application into the Professional Education Licensure Program based on the student’s qualifications and the Education Department’s vote of confidence in the student’s ability to complete the Professional Education 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 in the Department of Education office. 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 and in the Academic Resource Center.

EDUC 110 Principles of Education

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).

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.

Credit: 1 Hour.

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.

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.

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.

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.

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: Admission into Professional Education Program.

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 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, cultural 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.

(To be taken concurrently with Education 253.)

Prerequisite: Admission into Professional Education Program.

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.

(To be taken concurrently with 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.

(To be taken concurrently with 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.

(To be taken concurrently with 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 (to be taken concurrently with Education 253).

Credit: 1 Hour.

EDUC 253 Diverse Learners

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: Admission into Professional Education Program.

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

Credit: 3 Hours.

EDUC 306 Early Childhood Education - Methods and Materials

Developmentally appropriate methods and materials, and classroom environments and other management methods, used in the various early childhood programs in conjunction with the curriculum and/or philosophy of each of the programs serving diverse, exceptional, and at-risk populations of children ages 0-8. Prerequisite: Education 305 and Admission into Professional Education 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.

(To be taken concurrently with Education 321).

Credit: 1 Hour.

EDUC 321 Foundations of Reading

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 or concurrent enrollment in Education 219, 220 and Admission into Professional Education Program.

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 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.

(To be taken concurrently with Education 321).

Credit: 1 Hour.

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 Program.

Credit: 3 Hours.

EDUC 352 Counseling for Teachers

Development of skills and attitudes that early childhood teachers need to respond to the personal needs of their students. Emphasizes individual and group counseling techniques, working with parents, and counseling or teaming with other professionals.

Prerequisite: Education 202 and Admission into Professional Education Program.

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 Program

Credit: 3 Hours.

EDUC 361 Diagnosis and Correction of Reading Difficulties

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 Program.

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 Program

Credit: 3 Hours.

EDUC 407 Early Childhood Education - Special Field Experience

Sixty hours of supervised field and/or clinical experience with an Early Intervention Specialist in a preschool handicapped setting. Must be taken concurrently with Educ 421.

Prerequisite: Educ 305 and 306. Admission into Professional Education Program.

Credit: 1 Hour.

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, and 362; Admission into Professional Education 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. Also serves as the practicum for Education 421 and includes sixty hours of supervised field and/or clinical experience with an Early Intervention Specialist who serves the needs of 0-5 year children (who are at-risk, mild to moderate, moderate to severe, gifted, and/or typically developing) and their families.

Prerequisite: Admission into Professional Education Program. To be taken concurrently with Education 417/418.

Credit: 1 Hour.

EDUC 417 Early Childhood Education Integrated Language Arts and Social Studies Methods

Purposes, organization, procedures, content, methods, and materials to integrate the teaching of social studies and language arts in early education for a wide variety of learners (at-risk, mild to moderate, moderate to severe, gifted, culturally diverse, etc.). Focus on examining national, state, and local curricular standards, investigative teaching methods, integrating technology, cooperative learning, and collaborative models for planning and implementing developmentally appropriate instruction.

Prerequisite: Admission into Professional Education Program. **Credit:** 3 Hours.

EDUC 418 Early Childhood Education Integrated Science and Mathematics Methods

Content, methods and materials, and evaluative 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 scientific and mathematical concepts through an integrated approach to instruction. Focus on inquiry methods of teaching, hands-on developmentally appropriate learning and integrated technology.

Prerequisite: Admission into Professional Education Program. **Credit:** 3 Hours.

EDUC 421 ECE Practicum Seminar

Designed to be taken the semester preceding student teaching. Will provide the student with information concerning developmentally appropriate practices in meeting the needs of culturally diverse early childhood populations including those considered to be at-risk, those with mild to moderate and moderate to severe learning needs, gifted, and typically developing. Emphasizes family dynamics, collaboration and teaming models, appropriate integration of technology, and early intervention models and trends. Includes supervised experience in a preschool handicapped setting.

Prerequisites: Education 421; Admission into Professional Education Program.

Credit: 3 Hours.

EDUC 423 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 Program.

Credit: 3 Hours.

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 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.

Prerequisite: Admission into Professional Education Program. To be taken concurrently with Education 430.

Credit: 1 Hour.

EDUC 4511 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. (To be taken concurrently with 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. (To be taken concurrently with Education 455).

Prerequisite: Admission into Professional Education 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. (To be taken concurrently with Education 456).

Prerequisite: Admission into Professional Education 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. (To be taken concurrently with Education 454).

Credit: 1 Hour.

EDUC 452 Culture and Gender Issues

Senior seminar course involving the investigation of culture and gender issues as they are reflected in curriculum, instruction, and classroom management.

Prerequisite: Admission into Professional Education Program.
Credit: 2 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 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 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 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 Program.

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 good standing in the Professional Education Program.

Credit: 13 Hours.

EDUC 460 has been approved as an Advanced Studies course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section of the catalog for details of the Advanced Studies requirement.

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 good standing in the Professional Education Program.

Credit: 13 Hours.

EDUC 470 has been approved as an Advanced Studies course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section of the catalog for details of the Advanced Studies requirement.

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 good standing in the Professional Education Program.

Credit: 12 Hours.

EDUC 480 has been approved as an Advanced Studies course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section of the catalog for details of the Advanced Studies requirement.

EDUC 490 Student Teaching - PreK-12 Music

Fourteen week supervised professional teaching experience in the greater Washington County, Ohio area and under the guidance of a Marietta College faculty member and a selected cooperating teacher(s) who has had Pathwise mentor training and is a certified music educator. Students are required to follow school district calendar.

Prerequisites: Completion of all other 400 level courses and good standing in the Professional Education Program.

Credit: 10 Hours.

For graduate-level courses in education, See GRADUATE PROGRAMS.

Engineering, General Courses

Edwy R. Brown Department of Petroleum Engineering and Geology, Chair: Dr. Robert W. Chase (chaser@marietta.edu)

Coordinator of the Engineering Binary Program: Dr. W. David Cress (cressd@marietta.edu)

Secretary: Susan Martin

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 the Engineering Binary Program.

EGRG 311 Engineering Statics

An introduction to the static analysis of mechanical systems. Microcomputer applications are emphasized.

Prerequisite: Mathematics 126.

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. Microcomputer applications included.

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). Microcomputer applications included.

Prerequisites: Mathematics 126 and Engineering 311.

Credit: 3 Hours.

EGRG 331 Electrical Engineering

Fundamental principles of electrical circuit analysis, electric power, magnetic circuits, transformers, and electrical machines. Microcomputer applications are included.

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; transport phenomena; microcomputer applications.

Prerequisites: Mathematics 225 and Physics 222.

Credit: 3 Hours.

EGRG 425 Economic Analysis and Investment Decision Methods

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; depreciation; income tax calculations.

Prerequisite: Junior standing.

Credit: 3 Hours.

English

Department of English

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

Chair: Dr. Carol T. Steinhagen (steinhac@marietta.edu)

Associate professor: Carolyn Hares-Stryker; Assistant professors: Timothy D. Catalano, Beverly J. Hogue, Joseph M. Sullivan; lecturers:

Wendy Meyers, Maureen Modesitt

Secretary: Donna L. Bentley

Requirements for a major in English: Forty-two (42) hours in English beyond English 101 or Honors 201: 15 hours from Cultural Perspectives; 6 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 5 of the following		15 Hours
ENGL 201 <input type="checkbox"/>	ENGL 202 <input type="checkbox"/>	ENGL 203 <input type="checkbox"/>
ENGL 204 <input type="checkbox"/>	ENGL 205 <input type="checkbox"/>	

Conceptual Perspectives:

Any 2 of the following		6 Hours
ENGL 210 <input type="checkbox"/>	ENGL 215 <input type="checkbox"/>	ENGL 225 <input type="checkbox"/>
ENGL 230 <input type="checkbox"/>	ENGL 235 <input type="checkbox"/>	ENGL 240 <input type="checkbox"/>
ENGL 245 <input type="checkbox"/>	ENGL 250 <input type="checkbox"/>	

Specialized Perspectives:

5 of the following, including at least one pre-19th century course		15 Hours
ENGL 320 <input type="checkbox"/>	ENGL 322 <input type="checkbox"/>	ENGL 323 <input type="checkbox"/>
ENGL 336 <input type="checkbox"/>	ENGL 337 <input type="checkbox"/>	ENGL 342 <input type="checkbox"/>
ENGL 343 <input type="checkbox"/>	ENGL 350 <input type="checkbox"/>	ENGL 356 <input type="checkbox"/>
ENGL 357 <input type="checkbox"/>	ENGL 360 <input type="checkbox"/>	ENGL 362 <input type="checkbox"/>
ENGL 364 <input type="checkbox"/>	ENGL 372 <input type="checkbox"/>	

Perspectives in Writing:

One of the following	3 Hours
ENGL 302 <input type="checkbox"/>	ENGL 304 <input type="checkbox"/>
ENGL 310 <input type="checkbox"/>	ENGL 312 <input type="checkbox"/>

Senior Perspective:	3 Hours
ENGL 410 <input type="checkbox"/>	

Total	42 Hours

Requirements for a minor in Literature: Six hours from ENGL201, 202, 203, 204, or 205 and 12 hours of 300-level literature courses.

Writing Certificate: Writing Certificate and Writing Certificate with Distinction: to achieve a writing certificate, a student must complete 12 hours in 4 of the following courses, earning a grade of C- or better: ENGL302, 304, 308, 310, 312, 406, and 495 or 496. To achieve a Writing Certificate with Distinction, the student must additionally submit a portfolio of writing for approval by the department's faculty.

The Campus Writing Center is located in 217 Thomas Hall and offers supplemental one-on-one writing assistance to any Marietta College student. Students may use the Writing Center either on a module-registration basis, which reserves them a given tutor and time-slot for as long as they need it, or on a walk-in basis. Instructors are notified and updated about the work of students who utilize the Writing Center's services.

ENGL060 Basics of English Composition

A review of basic principles of grammar, usage, and mechanics; basic principles of exposition; preparation of paragraphs and essays.

Credit: 3 Hours.

ENGL101 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.

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.

ENGL201 The Literary Culture of Great Britain I

A survey of English literature from the Middle Ages to the late eighteenth century.

Credit: 3 Hours.

ENGL202 The Literary Culture of Great Britain II

A survey of the English literature of the 19th and 20th centuries.

Credit: 3 hours

ENGL203 The Literary Culture of the United States I

A survey of United States literature from the colonial period to the Civil War.

Credit: 3 hours

ENGL204 The Literary Culture of the United States II

A survey of the United States literature of the late-19th and 20th centuries.

Credit: 3 hours

ENGL205 The Literary Cultures of Post-Colonialism

A survey of the body of literature that has developed in the post-colonial period.

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.

ENGL210 The Bible as Literature

A study of the themes and forms of biblical texts, including Genesis, Judges, Ruth, and the Gospels.

Credit: 3 hours

ENGL215 Myth and Folklore

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

ENGL225 Film as Literature

A comparative study of concepts of narration as they are reflected in literature and film.

Credit: 3 hours

ENGL230 Literature into Film

A comparative study of short stories, novels, and plays and their film adaptations.

Credit: 3 hours

ENGL235 Concepts of Gender

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.

Credit: 3 hours

ENGL240 Concepts of Progress

A historical study of attitudes toward progress as they are reflected in literary and critical texts ranging from Greek myths to contemporary novels.

Credit: 3 hours

ENGL245 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

ENGL250 Concepts of the Divided Self

A historical study of concepts of the divided self ranging from the dichotomy between body and soul to the modern idea of the psychological self.

Credit: 3 hours

Specialized Perspectives

These courses enable a more narrowly focused study of authors, genres, and critical theory.

ENGL320 Introduction to Linguistics

(crosslisted as LING 320) 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).

Credit: 3 hours

ENGL322 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

ENGL323 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

ENGL336 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

ENGL337 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

ENGL342 Representative British Writers I

An examination of one British author or a combination of British authors who wrote from the medieval period through the 18th century.

Credit: 3 hours

ENGL343 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

ENGL350 Shakespeare

An examination, in the context of the entire canon, of plays representative of the main periods of Shakespeare's development.

Credit: 3 hours

ENGL356 Studies in the Early British Novel

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.

Credit: 3 hours

ENGL357 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

ENGL360 Studies in British and American Poetry

An examination of significant poets and poetic traditions in British and American poetry.

Credit: 3 hours

ENGL362 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

ENGL364 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

ENGL372 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.

ENGL302 Advanced Expository Writing

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.

Credit: 3 hours

ENGL304 Creative Writing

An intensive workshop in the writing of short fiction and poetry.

Credit: 3 hours

ENGL308 Persuasive Writing

The application of rhetorical principles in writing credible and persuasive arguments. A unit on grant writing is included.

Credit: 3 hours

ENGL310 Self-Expression

The study and practice of modes of life history writing—journal, memoir, autobiography and/or biography.

Credit: 3 hours

ENGL312 Topical Perspectives in Writing

A concentration on specific themes and/or methods of writing such as nature writing, film scripts, or scientific writing. Topics will vary with each offering.

Credit: 3 hours

ENGL406 Writing for the Professions

Technical and business report writing emphasizing problem analysis, feasibility studies, proposals, progress reports, and instructions.

Prerequisite: senior standing or written permission of instructor.

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.

ENGL410 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

ENGL410 has been approved as an Advanced Studies course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section of the catalog for details of the Advanced Studies requirement.

English Education**ENGL380 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)

Entrepreneurship

(See Leadership for certificate)

Environmental Science

Department of Biology and Environmental Science

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

Director of Environmental Science program: Dr. Eric Fitch (fitche@marietta.edu)

Professors: Jacqueline DeLaat (Political Science), David G. Mader (Computer Science), Robert G. Walker (Chemistry); associate professors: W. David Cress (Engineering), Gregory Delemeester (Economics), Kenneth J. Itzkowitz (Philosophy), David G. McShaffrey (Biology), Steven R. Spilatro (Biology), Frederick R. Voner (Geology);

Associate faculty: Professors: Peter E. Hogan (Biology), John R. Michel (Mathematics), Roger H. Pitasky (Mathematics); associate professors: Debra S. Egolf (Chemistry), Almuth H. Tschunko (Biology); assistant professor: Mark A. Miller (Mathematics); instructor: Wendy L. Bartlett (Geology); lecturer: Tanya K. Jarrell (Biology)

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 interaction between Human activity and the Environment.

Requirements for a major in Environmental Science:

Biology 102, 111; Chemistry 131, 132, 133, 134; Computer Science 210; Environmental Science 210, 391, 491, 492; Environmental Studies 310, 315; Geology 101; Mathematics 123. One course in Social and Economic Issues from Economics 350; Engineering 425; Environmental Studies 320; Leadership 308, 333; Philosophy 321, and Political Science

305. {Note: Economics 350 and Political Science 305 require prerequisite course work or permission of the instructor.} Students entering the major are expected to have Mathematics 121 or the equivalent.

Tracks: Within the Environmental Science major, students must elect one of three tracks: Waste Management, Biological Resource Management, or Energy and Mineral Management. Students choose a track to focus their study in one sub-field (category) of the larger field of Environmental Science. Courses have been chosen for each track with the express purpose of providing students with knowledge and understanding of basic environmental processes and subjects necessary to be a practitioner in each of these areas. Students may also submit proposals for individualized tracks, and may pursue them with permission of the program director.

The Waste Management track course work consists of Biology 318; Chemistry 377; Environmental Science 305, 330; Physics 376; and one course from Biology 202; Environmental Science 325; Environmental Studies 350; Geology 201, and Environmental Science 335.

The Biological Resource Management track course work consists of Biology 318 and a combination of 15 to 16 hours of course work selected from Biology 202, 220, 221, 222, 223, 311, 312, 319, 450; Environmental Studies 350; Geology 201, and Environmental Science 335.

The Energy and Mineral Management track course work consists of Chemistry 377; Environmental Science 305; Geology 203; Physics 376; and one course from Environmental Studies 350 and Geology 304.

Computational and Problem-Solving Skills **6 Hours**

MATH 123 CSCI 210

Introductory Environmental Science **21 Hours**

GEOL 101 <input type="checkbox"/>	BIOL 102 <input type="checkbox"/>	BIOL 111 <input type="checkbox"/>
ENVR 210 <input type="checkbox"/>	CHEM 131 <input type="checkbox"/>	CHEM 132 <input type="checkbox"/>
CHEM 133 <input type="checkbox"/>	CHEM 134 <input type="checkbox"/>	

Environmental Studies **6 Hours**

ENVS 310 ENVS 315

Social and Economic Issues Elective:

One of the following **3 Hours**

ECON 350 <input type="checkbox"/>	EGRG 425 <input type="checkbox"/>	ENVS 320 <input type="checkbox"/>
POLS 305 <input type="checkbox"/>	LEAD 308 <input type="checkbox"/>	LEAD 333 <input type="checkbox"/>
PHIL 321 <input type="checkbox"/>		

Intermediate Environmental Science and Technology: Elect one track **17-20 Hours**

Waste Management Track **19-20 Hours**

BIOL 318 <input type="checkbox"/>	CHEM 377 <input type="checkbox"/>	ENVR 305 <input type="checkbox"/>
ENVR 330 <input type="checkbox"/>	PHYS 376 <input type="checkbox"/>	

Elective: Choose one of the following

BIOL 202 <input type="checkbox"/>	GEOL 201 <input type="checkbox"/>	ENVR 325 <input type="checkbox"/>
ENVR 335 <input type="checkbox"/>	ENVS 350 <input type="checkbox"/>	

Biological Resource Management Track **18-19 Hours**

BIOL 318

Electives: Choose 15-16 Hours from the following

BIOL 202 <input type="checkbox"/>	BIOL 220 <input type="checkbox"/>	BIOL 221 <input type="checkbox"/>
BIOL 222 <input type="checkbox"/>	BIOL 223 <input type="checkbox"/>	BIOL 311 <input type="checkbox"/>
BIOL 312 <input type="checkbox"/>	BIOL 319 <input type="checkbox"/>	BIOL 450 <input type="checkbox"/>
ENVS 350 <input type="checkbox"/>	GEOL 201 <input type="checkbox"/>	GEOL 301 <input type="checkbox"/>
GEOL 304 <input type="checkbox"/>	ENVR 335 <input type="checkbox"/>	

Energy and Mineral Resource Management Track **17-18 Hours**

CHEM 377 <input type="checkbox"/>	ENVR 305 <input type="checkbox"/>	GEOL 202 <input type="checkbox"/>
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PHYS 376

Elective: Choose one of the following

ENVS 350 <input type="checkbox"/>	GEOL 304 <input type="checkbox"/>	ENVR 335 <input type="checkbox"/>
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Water Resource Management Track **18-20 Hours**

ENVR 335 <input type="checkbox"/>	ENVR 325 <input type="checkbox"/>	CHEM 377 <input type="checkbox"/>
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Elective: Choose 8-10 hours from the following

ENVR 305 <input type="checkbox"/>	BIOL 202 <input type="checkbox"/>	BIOL 220 <input type="checkbox"/>
BIOL 318 <input type="checkbox"/>	BIOL 319 <input type="checkbox"/>	BIOL 450 <input type="checkbox"/>
GEOL 304 <input type="checkbox"/>		

Environmental Professional Practice and Experiential Learning **4 Hours**

Experiential Learning **1 Hour**

ENVR 391

Senior Capstone **3 Hours**

ENVR 491 <input type="checkbox"/>	ENVR 492 <input type="checkbox"/>
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Total **57-60 Hours**

Requirements for a minor in Environmental Science: Biology 102, 111; Chemistry 101; Environmental Science 210; Environmental Studies 310; Geology 101. Choose one course from among Biology 318; Computer Science 210; Environmental Science 305; Environmental Studies 315, 350; Geology 201, 301.

Students entering the minor are expected to have Math 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, 111; Chemistry 101; Computer Science 210; Economics 211, 350; English 406; Environmental Science 210, 491, 492; Environmental Studies 310, 315, 391; Geology 101; Mathematics 123; Philosophy 321; Political Science 103, 305; and three courses from Engineering 425; Environmental Studies 320, 350; Leadership 308, 333; and Political Science 106.

Foundations in Environmental Science **17 Hours**

GEOL 101 <input type="checkbox"/>	BIOL 102 <input type="checkbox"/>	BIOL 111 <input type="checkbox"/>
CHEM 101 <input type="checkbox"/>	ENVR 210 <input type="checkbox"/>	

Computational and Problem-Solving Skills	6 Hours
MATH 123 <input type="checkbox"/> CSCI 210 <input type="checkbox"/>	
Environmental Social Science	24 Hours
ECON 211 <input type="checkbox"/> ECON 350 <input type="checkbox"/>	PHIL 321 <input type="checkbox"/>
POLS 103 <input type="checkbox"/> POLS 305 <input type="checkbox"/>	
Elective (Choose Three):	
LEAD 308 <input type="checkbox"/> LEAD 333 <input type="checkbox"/>	ENVS 320 <input type="checkbox"/>
EGRG 425 <input type="checkbox"/> POLS 106 <input type="checkbox"/>	ENVS 350 <input type="checkbox"/>
Environmental Studies	6 Hours
ENVS 310 <input type="checkbox"/> ENVS 315 <input type="checkbox"/>	
Environmental Professional Practice and Experiential Learning	7 Hours
ENGL 406 <input type="checkbox"/> ENVS 391 <input type="checkbox"/>	
Senior Capstone	3 Hours
ENVR 491 <input type="checkbox"/> ENVR 492 <input type="checkbox"/>	
Total	60 Hours

Requirements for a minor in Environmental Studies: Economics 211, 350; Environmental Studies 310, 315; Philosophy 321. Students choose three courses from the following list of electives: Engineering 425; English 406; Environmental Studies 320, 350; Leadership 308, 333; Political Science 305 {Note: Political Science 305 has as a prerequisite Political Science 103 or permission of the instructor}.

Environmental Science Courses

ENVR 210 Introduction to Environmental Science

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 305 Environmental Engineering and Technology

This course provides an introduction to the principles and practices of Environmental Engineering. Nature and scope of environmental control technologies, Pollution Prevention, Life Cycle Analysis and Industrial Ecology are examined.

Credit: 3 Hours.

ENVR 325 Air and Water Pollution Control and Prevention

Technologies and techniques for control and prevention of pollution to ambient air and surface and ground waters are examined and evaluated. This course specifically focuses on control of indoor air quality, wastewater technology and air pollution control technologies. Offered alternate years.

Credit: 3 Hours.

ENVR 330 Solid and Hazardous Waste Management
Waste management definitions, techniques, technologies, and strategies are examined. This course takes an integrative approach to waste management as an environmental, social, and political subject. Offered alternate years.
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: Math 126, Geology 101 or 111.

Recommended: Computer Science 210 and Geology 321.

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.

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 ENVR 492. This course is required of all Senior Environmental Science and Environmental Studies.

Prerequisites: Environmental Science and Environmental Studies major 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 310 Environmental Policy and Law

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 315 Environmental Impact and Resource Assessment

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

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

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.

Credit: 1 Hour.

Courses Taught in Other Departments Used in the Environmental Science Program

BIOL102 Environmental Biology

Lecture course in the applications of the scientific method as developed in Geology 101 to the study of organisms, their physical environment, and the interactions of organisms and environment. Topics of study include major world habitats and the environmental problems facing them, the diversity of life, and the principle of homeostasis. (Students must also complete Biology 111 in order to receive Laboratory Science credit.)

Prerequisite: Geology 101.

Credit: 3 Hours.

BIOL 111 Organisms and Environment

A laboratory course in which students apply the scientific method to a variety of topics in biology and environmental science. Students design and carry out experiments using various scientific tools and techniques, including computers and sensors to gather and analyze data. There will be a rigorous writing component, e.g. lab reports.

Prerequisite: Geology 101 and concurrent registration in Biology 102.

Credit: 1 Hour.

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 written permission of the instructor; Computer Science 210 recommended.

Credit: 4 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 tool(s); 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 passing 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.

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.

Prerequisites: Economics 211.

Credit: 3 Hours.

GEOL101 Environmental Geology

Introduction to the 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.

PHIL321 Environmental Ethics

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.

Credit: 3 Hours.

PHYS 376 Environmental Physics

Integrated lecture, discussion, and laboratory activities will explore the following topics: heat transfer mechanisms and the efficiency of energy conversion processes; environmental implications of the use of fossil fuels and various renewable energy sources; local and global physical and biological effects of the interaction of electromagnetic radiation with matter; energy from the atomic nucleus and its attendant management considerations.

Prerequisites: Computer Science 210 and either Chemistry 131-134 or Physics 221, 222.

Credit: 3 Hours.

Other Environmental Science Program Courses

- Biology 202 General Microbiology
- Biology 220 Invertebrate Zoology
- Biology 221 Invertebrate Zoology Lab
- Biology 222 Vertebrate Zoology
- Biology 223 Vertebrate Zoology Lab
- Biology 311 Flowering Plants
- Biology 312 Lower Plants
- Biology 318 Ecology
- Biology 319 Ecology Lab
- 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
- Economics 211 Principles of Microeconomics
- Engineering 425 Economic Analysis and Investment Decision Methods
- English 406 Writing for the Professions
- Geology 111 Physical Geology
- Geology 112 Historical Geology
- Geology 201 Earth Resources
- Geology 202 Mineralogy and Petrology
- Geology 304 GIS/GPS Mapping and Analysis
- Leadership 308 Science and Public Policy
- Leadership 333 Leaders in Environmental Activism
- Mathematics 123 Practical Statistics
- Mathematics 125 Calculus I
- Mathematics 126 Calculus II
- Mathematics 225 Calculus III
- Mathematics 302 Differential Equations with Numerical Methods
- Mathematics 357 Mathematical Statistics I
- Physics 221 General Physics I
- Physics 222 General Physics II
- Political Science 103 American National Government
- Political Science 206 United States Public Policy
- Political Science 305 Public Administration

Finance

(See Economics, Management and Accounting for minor)

First Year Courses

Director of the First Year Program: Dr. Suzanne Walker (walkers@marietta.edu)

Except as noted below, the following courses are required of all students as part of the College's General Education requirements.

FYSE 101 First Year Seminar

The First Year Seminar is a topic-based course designed to help students develop skills fundamental to academic success. Taken during the first semester, the course introduces first year students to the important skills of critical thinking and effective communication. The course is graded with a letter grade, A-F, and may not be repeated. (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 they were enrolled in high school.)

Credit: 3 hours

FYSE 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. Students take the course during their first semester. (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 they were enrolled in high school.)

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

ENGL101 English Composition

Helps students develop their ability to express themselves clearly and forcefully. Required of all students without advanced standing in composition; course must be taken until completed with a grade of 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 FYSE 101, ENGL 101, and COMM 101, respectively.

French

(See Modern Languages for minor)

Gender Studies

Director of program: Dr. Sandra Kolankiewicz (Leadership) (kolankis@marietta.edu)

Professors: Jacqueline DeLaat (Political Science), Barbara J. MacHaffie (History and Religion), James H. O'Donnell (History), Mabry M. O'Donnell (Communication), Stephen M. Rader (Theatre), Sara K. Shute (Philosophy); associate professors: Kenneth J. Itzkowitz (Philosophy), Carolyn Hares-Stryker (English); Janie Rees-Miller (Modern Languages); assistant professors: Mary V. Barnas (Psychology), Jacqueline Khorassani (Economics), Ronda E. King (Music), Kathryn McDaniel (History), Luding Tong (Modern Languages)

The Gender Studies program provides opportunities for the student 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 his or her 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, but with no more than two from each division: Social Sciences: Economics 325, Gender Studies 350, Political Science 306, Psychology 225; Humanities: English 362 (when topic is "Gender and Dracula"), Gender Studies 325, History/Religion 303, History 329, Linguistics 232, Philosophy 232, 241; Fine Arts: Art History 373, Communication 319

Gender Studies Courses

GENS 150 The Naked Person

What do we mean by 'female' and 'male'? What stereotypes and assumptions are made by the use of these terms? Can men and women be friends? In what areas do they traditionally clash and why? Is there any difference in the way they perceive and use power? What kinds of power does our society grant to each? What is feminism? What's the matter with feminists, anyway; do they just hate men? Can a man be a feminist? What kind of "masculinity" groups do men form? Where do gay men and women fit into the picture? What stereotypes affect them? What is homophobia, and how does it manifest itself in people's behaviors?

Credit: 3 Hours

GENS 325 American Leaders in Gender Issues

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, Betty Friedan, Kate Millet, Mary Daly, Andrea Dworkin, Gloria Steinem, and Susan Faludi. Major leaders in the American Gay Rights Movement will also be studied. Opposing perspectives will be examined.

Credit: 3 Hours

GENS 350 Gender in the Workplace

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

ARTH 373 Women in the Visual Arts

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

Credit: 3 Hours

COMM 319 Notable American Women

Communication skills and leadership qualities of outstanding American women from nation's founding to present. Not a performance course.

Credit: 3 Hours

ECON 325 The Economics of Gender

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

ENGL362 Special Topics: Gender and Dracula

Reading such novels as Rider Haggard's *She*, Stevenson's *Doctor Jekyll and Mr. Hyde*, Wilde's *Picture of Dorian Gray*, and Stoker's *Dracula*, we examine the rise of the New Woman and male anxiety at the fin-de-siecle.

Credit: 3 Hours

RELI 303 Women in Judeo-Christian Tradition

Status of women in history of Christianity from biblical times to present.

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

LING 232 Language, Gender and Culture

Gender problems 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

PHIL232 Gender in Philosophy

Philosophical theories of sex/gender: men's and women's natures, roles, and virtues. Selections of writings from the ancient period to the present.

Credit: 3 Hours

PHIL241 Philosophy of Sex and Love

Issues concerning nature, forms, and value of love, as well as its relation to such things as friendship, infatuations, 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

POLS 306 Women and U.S. Politics

Introduces students to experience and behavior of women in American political life. Gender differences in political socialization, political attitudes, and voting behavior. Experiences of women in political leadership roles and public policy issues of special concern to women.

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 225 Psychology of Gender

Review of empirical and theoretical literature addressing gender differences between sexes. Development of gender roles and degree to which gender is independent of sex. May include historical review of psychological theories of gender and those experiences which are unique to each sex.

Credit: 3 Hours

Geology

Department of Petroleum Engineering and Geology

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

Chair: Dr. Robert W. Chase (chaser@marietta.edu)

Emeritus professor: Dwayne D. Stone; associate professor: Frederick R. Voner; instructor: Wendy L. Bartlett

Secretary: Susan P. Martin

Requirements for major in Geology: 34 hours of Geology and geology related petroleum engineering courses, including 22 hours of required courses (GEOL 111, 112, 201, 202, 413, PETR 261 and 301) and 12 hours of elective courses chosen from GEOL 104, 304, 306, 313, 322, 326, PETR 343, and ENVR 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 (Math 125) and 3 hours of Computer Science (CSCI 210). Required writing course: 3 hours (English 406). 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 requirement: Geology 413.

Required Courses 16 Hours

GEOL 111 <input type="checkbox"/>	GEOL 112 <input type="checkbox"/>	GEOL 201 <input type="checkbox"/>
GEOL 202 <input type="checkbox"/>	GEOL 413 <input type="checkbox"/>	PETR 216 <input type="checkbox"/>
PETR 301 <input type="checkbox"/>		

Chemistry			8 Hours
CHEM 131,133 <input type="checkbox"/>	CHEM 132,134 <input type="checkbox"/>		
English			3 Hours
ENGL 406 <input type="checkbox"/>			
Mathematics - Computer Science:			
One of the following			7 Hours
MATH 125 <input type="checkbox"/>	CSCI 105 <input type="checkbox"/>	CSCI 210 <input type="checkbox"/>	
Biology - Physics Elective:			
one of the following			8 Hours
BIOL 101 and 105 <input type="checkbox"/> or 102 and 106 <input type="checkbox"/>			
PHYS 221, 222 <input type="checkbox"/>			
Senior Capstone			4 Hours
GEOL 411 <input type="checkbox"/>	GEOL 413 <input type="checkbox"/>		
Total			60 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.

GEOL101 Environmental Geology

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.

GEOL104 Dinosaurs

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

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
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.
<i>Credit: 4 Hours.</i>

GEOL201 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.

GEOL202 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 Geology 112

Credit: 4 Hours.

GEOL304 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.

GEOL306 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.

GEOL313 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.

GEOL322 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.

GEOL326 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 Geology 112

Credit: 4 Hours.

GEOL413 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

Department of Health and Physical Education

Chair: Professor Debora A. Lazorik (lazorikd@marietta.edu)

Associate Professor: J. Donald Schaly; instructors: Jeanne Arbuckle, John Bancheri, Brian Brewer, Gene Epley, Douglas L. Foote, Ryan

Heasley, Catherine A. Monteroso, James Stutzman, Robert C. Tompson

Secretary: Wendy J. Thieman

Requirements for a minor in Coaching: Biology 203 and 212; Health Science 201 or 202; Physical Education 133 and 328, plus 2 hours chosen from 220-226, and 2 hours chosen from 240-249; and Sports Medicine 302, 304, and 325. Note: the two areas chosen in Rules and Officiating (220-226) must correspond with the two areas chosen in Philosophies and Methods of Coaching (240-249).

Requirements for a minor in Sports Management: Physical Education 133, Management/Physical Education 330, plus two courses chosen from Physical Education 325, 328, 497; plus, for the **administration track**, Economics 211, Accounting 201, plus two courses chosen from Economics 340, Management 251, 301, 345, 381; plus for the **information track**, Mass Media 207, 374, plus two courses chosen from Mass Media 230, 308, 309, 370. Students must choose between the administration and information tracks. In offering this minor, the department participates with the Departments of Mass Media and of Economics, Management, and Accounting.

Lifetime Activity Courses

Students may earn up to 4 hours of credit to be applied toward the 120 to 150 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 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: \$15

117 Tennis**118 Swimming****119 Bowling**

Fee: approx. \$2.50 per class.

121 Racquetball**150 Orienteering/Hiking**

Fee: \$10.

210 Rowing

Fee: \$10.

Varsity Sports

Students may earn up to 2 hours of credit for participation in any combination of varsity sports. Each course offers 1 hour of credit.

227, 267 Lacrosse (Men)**228, 268 Football (Men)****229, 269 Soccer (Men/Women)****232, 272 Basketball (Men/Women)****233, 273 Baseball (Men)****234, 274 Volleyball (Women)****236, 276 Golf (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

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.

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. Offered spring semester.

Credit: 3 Hours.

Physical Education Courses

PHED 133 Concepts of Fitness and Wellness

An introduction to personal development. Assessment of life management skills as they relate to students' success and their plans for the future. Provide an overview of wellness. Offer individual, regardless of physical limitation, opportunity to design and enjoy a conditioning program to help approach highest levels of health and well being. Additional emphasis on critical thinking, goal setting, motivation, personal values, communication skills, and stress management.

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)**
- 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.

Prerequisite: Education 202.

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.

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 status.

Credit: 3 Hours.

PHED 497 Internship in Physical Education

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.

History

Department of History, Philosophy, Political Science, and Religion

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

Chair: Dr. Michael Tager (tagerm@marietta.edu)

Professors: Barbara J. MacHaffie, James H. O'Donnell, Jean A. Scott; assistant professors: Kathryn McDaniel, Matthew Young

Secretary: Paula R. Lewis

In addition to offering a major and a minor in History, the department coordinates an interdisciplinary minor in Asian Studies. The minor is described under "Asian Studies" earlier 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 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 211 <input type="checkbox"/>
HIST 212 <input type="checkbox"/>	HIST 220 <input type="checkbox"/>	HIST 225 <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 350 <input type="checkbox"/>	HIST 352 <input type="checkbox"/>	HIST 354 <input type="checkbox"/>
HIST 356 <input type="checkbox"/>	HIST 358 <input type="checkbox"/>	

Senior Capstone **3 Hours**

HIST 402 <input type="checkbox"/>

Total **39 Hours**

Recommended for prospective graduate school students:

Two foreign languages and introductory work in the use of a computer.

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.

HIST 101 U.S. History, The First Century

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

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

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

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.

HIST 211 World of Asia: Traditional Period

Introduction to early East and Southeast Asian history. Covers social, cultural, and political developments from prehistory to eve of increasing contacts between Asians and Europeans in the sixteenth century.

Credit: 3 Hours.

HIST 212 World of Asia: Modern Period

Social, cultural, and political history of East and Southeast Asia from the sixteenth century to the present. One major theme is the different responses of the diverse traditional Asian societies to increasing contacts with the West, mainly in the form of Western imperialism.

Credit: 3 Hours.

HIST 220 Introduction to Human Geography

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 225 Survey of Chinese History

History of China from earliest archaeological evidence through establishment of People's Republic of China in 1949. Formation of China's social and political culture up to eve of Communist victory in mainland China.

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

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, and Einstein.

Prerequisite: Sophomore standing.

Credit: 3 Hours.

HIST 303 Women in Judeo-Christian Tradition

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

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

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

Communication skills and leadership qualities of outstanding American women from nation's founding to present. (Also listed as Communication 319.)

Prerequisite: Junior or Senior standing.

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

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

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 Contemporary 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 350 Religion in a Revolutionary Age

History of Christianity in Western Europe in 18th and 19th centuries. Emphasis on effects of social, political, intellectual, and economic changes on character of Christian doctrine, worship, and institutions. (Also listed as Religion 350.)

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 356 Modern Japanese History

Late Tokugawa to end of twentieth century, focusing on remarkable Japanese transition from a feudal society to an economic superpower. Examines Japan's success in borrowing ideas, institutions, and political forms and adapting them to fulfill national priorities.

Credit: 3 Hours.

HIST 358 Modern Chinese History

Last century of imperial rule and unfolding of Chinese revolutionary movement. Weaknesses and final decline of China's imperial system, challenge to China's traditions posed by Western economic and cultural penetration, interplay between domestic and external factors in influencing China's recent history. Assessment of 20th century experiments in forms of government and China's search for new directions in social and cultural development.

Credit: 3 Hours.

HIST 402 Senior Capstone Course (Offered Spring semester)

Examination of the methods and philosophies of historical research, and completion of a research project using some of them.

Credit: 3 Hours.

HIST 402 has been approved as an Advanced Studies course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section of the catalog for details of the Advanced Studies requirement.

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 Economics, Management and Accounting for major and minor)

Website: <http://www.marietta.edu/~provost/majors/humanresources.html>

International Business Management

(See Economics, Management and Accounting for major and minor)

Website: <http://www.marietta.edu/~provost/majors/intlbusiness.html>

Japanese

(See Modern Languages)

Journalism

(See Mass Media for major and minor)

Website: <http://www.marietta.edu/~provost/majors/journalism.html>

Leadership

The McDonough Center for Leadership and Business

Dean of the McDonough Center: Dr. Stephen W. Schwartz (schwarts@marietta.edu)

Director of academic program: Dr. Gamaliel Perruci (perrucig@marietta.edu)

Director of experiential learning: Dr. Sandra Kolankiewicz (kolankis@marietta.edu)

Professors: Mark A. Bagshaw (Leadership and Management), Jacqueline DeLaat (Political Science), Daniel Huck (Leadership), Peter E.

Hogan (Biology), Edward H. Osborne (Accounting), Sidney Potash (Leadership and Management), Michael B. Taylor (Leadership and Management); associate professors: Eric J. Fitch (Environmental Science), David G. McShaffrey (Biology), Gamaliel Perruci (Leadership),

Mark E. Sibicky (Psychology), Martha J. Tipton (Leadership and Communication), Luding Tong (Modern Languages); lecturer: Wendy Meyers (Leadership)

Administrative Coordinator: Joyce Murphy

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. A student's participation in the Leadership Program can take several forms:

- Minor in Leadership Studies
- McDonough Leadership Studies Certificate
- Leaders in Action Certificate
- Entrepreneurial Studies Certificate
- Enrolling in a Leadership-designated course

Admission to McDonough Candidacy (minor and Leadership certificate) is competitive.

Requirements for a minor in Leadership Studies:

Leadership 101, 103, 201, 203, 302 and 401, six hours of leadership-designated courses, completion of noncredit summer internship, and 25 hours of approved community service for four years. Leadership 361 cannot be used in satisfaction of the minor in Leadership Studies. The minor requires 22 credit hours.

Requirements for a McDonough Leadership Studies Certificate:

Certificate: Leadership 101, 103, 201, 203, 302 and 401, one additional three-hour leadership-designated course, completion of noncredit summer internship, and 25 hours of approved community service for two years. Leadership 361 cannot be used in satisfaction of the Certificate in Leadership Studies.

Students in the minor and certificate programs described above complete a one-week leadership orientation.

Requirements for a Leaders in Action 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.

Requirements for the Entrepreneurial Studies Certificate:

Management 251, 252, Leadership 307, and one of the following: Management 451 or Leadership 497 (Business Consulting Internship).

Leadership Courses

LEAD 101 Seminar in Leadership I

Foundations course in leadership studies. Exploration of introductory themes: the academic study of leadership, definitions, ethics, gender, power, and the tension between individualism and community.

Credit: 3 Hours

LEAD 102 Seminar in Leadership II

(Continuation of Leadership 101 for non-minor/certificate students.) Understanding diversity and leadership in a global context.

Prerequisite: Leadership 101

Credit: 3 Hours

LEAD 103 Seminar in Leadership III

(Continuation of Leadership 101 for minor/certificate 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 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 spring semester. Prerequisite: Successful completion of the resident assistant selection process or candidacy in the McDonough Leadership Program or Leaders in Action.

Credit: 1 Hour

LEAD 201 Seminar in Leadership III

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: Candidate status in the McDonough Leadership Program or Leaders in Action status, or written permission of the dean.

Credit: 3 Hours

LEAD 202 Seminar in Leadership IV

(Effective 2003-2004, this course will be replaced by Leadership 203.)

Current theories of leadership and organizational structures and functions. Ethical decision making. Practical application of leadership theory and styles in managing change within organizations.

Prerequisite: Leadership 201

Credit: 3 Hours

LEAD 203 Seminar in Leadership IV

Understanding diversity and leadership in a global context.

Prerequisite: Leadership 201

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.

Prerequisite: Sophomore standing or above

Credit: 3 Hours

LEAD 301 Internship Preparation Seminar

Prepares candidates for required senior internship so that internship is a significant learning experience, not just a summer job. Includes participant observation and critical reaction analysis; resume writing and letters of application; effective interpersonal communication, including interview skills.

Prerequisites: Candidacy for minor in leadership studies and 2.0 average in Leadership courses.

Credit: 1 Hour

LEAD 305 Business Ethics

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: Limited to students with 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

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 106.

Credit: 3 Hours

LEAD 325 Leadership in the Emerging Nation

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. Prerequisites: Leadership 101-102 or permission of instructor.

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 350 Leadership Study Abroad

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.

Credit: 3 Hours

LEAD 361 Organizational Leadership

Examination of leadership theory and practical application of those theories within organizations. Focuses on organizational environments (structure and dynamics of different kinds of contemporary organizations) and leadership that empowers organizations to carry out their functions. Students who have received credit for Leadership 201-202 cannot receive credit for Leadership 361.

Credit: 3 Hours

LEAD 401 Seminar in Leadership V

Capstone course for students in the Leadership minor. 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 Leadership Minor candidacy, senior status or written permission.

Credit: 3 Hours

Other leadership-designated courses

- History 302 Leadership and Change: Studies in Historical Biography
- History 317 Native American History
- History 319 Notable American Women
- History 329 European Feminism and European Tradition
- Management 451 Business consulting
- Political Science 210 Presidency and Executive Leadership
- Political Science 306 Women and U.S. Politics
- Political Science 330 Comparative Leadership Studies
- Psychology 212 Social Psychology
- Psychology 320 Advanced Social Psychology

Linguistics

(See Modern Languages)

Literature

(See English for major and minor)

Management

(See Economics, Management and Accounting for major and minor)

Website: <http://www.marietta.edu/~provost/majors/management.html>***Marketing***

(See Economics, Management and Accounting for major and minor)

Website: <http://www.marietta.edu/~provost/majors/marketing.html>***Mass Media***

Department of Mass Media

Chair: Dr. Thomas Hodson (hodsont@marietta.edu)

Assistant professors: Dennis Lebec, Michael J. McNamara; lecturers: J. Mitchell Casey, Ralph Matheny, Marilee Morrow, Arthur Smith, Lori Smith; technician: Gene Gildow

Secretary: Joyce Pennington

Requirements for a major in Advertising and Public Relations: Mass Media 101, 207, 215, 225, 230, 309, 312, 360, 370, 397, 412, and 420; one of Mass Media 309, 375, 380 and three hours of Mass Media electives, Economics 212; Leadership 101, 102; Mathematics 123; two courses selected from Management 355, 381, and 386; Communication 314 or Leadership 305; and Art 101 or 201.

Required Mass Media Courses	30 Hours
MASS 101 <input type="checkbox"/>	MASS 207 <input type="checkbox"/>
MASS 225 <input type="checkbox"/>	MASS 230 <input type="checkbox"/>
MASS 312 <input type="checkbox"/>	MASS 360 <input type="checkbox"/>
MASS 397 <input type="checkbox"/>	MASS 215 <input type="checkbox"/>
MASS 309 <input type="checkbox"/>	MASS 309 <input type="checkbox"/>
MASS 380 <input type="checkbox"/>	MASS 370 <input type="checkbox"/>

Mass Media Electives:

One of the following:	3 Hours
MASS 309 <input type="checkbox"/>	MASS 380 <input type="checkbox"/>
MASS 380 <input type="checkbox"/>	MASS 375 <input type="checkbox"/>

Economics	3 Hours
ECON 212 <input type="checkbox"/>	
Leadership	6 Hours
LEAD 101 <input type="checkbox"/>	LEAD 102 <input type="checkbox"/>
Statistics	3 Hours
MATH 123 <input type="checkbox"/>	
Management: Any two of the following	6 Hours
MNGT 355 <input type="checkbox"/>	MNGT 381 <input type="checkbox"/>
	MNGT 386 <input type="checkbox"/>
Electives: Either of the following	3 Hours
LEAD 305 <input type="checkbox"/>	COMM 314 <input type="checkbox"/>
Art: Either of the following	3 Hours
ART 101 <input type="checkbox"/>	ART 201 <input type="checkbox"/>
Senior Capstone	3 Hours
MASS 420 <input type="checkbox"/>	
Total	60 Hours

Requirements for a Journalism Major: Mass Media 101, 150, 207, 307, 308, 311, 360, 370, 375, 397, 420; one of Mass Media 309, 371, or 380; Economics 212; History 312 or another History course listed 300 or greater; Leadership 101 and 102; Mathematics 123; Political Science 103; Communication 301 or 314; and Political Science 201 or 313.

Required Mass Media Courses			33 Hours
MASS 101 <input type="checkbox"/>	MASS 150 <input type="checkbox"/>	MASS 207 <input type="checkbox"/>	
MASS 307 <input type="checkbox"/>	MASS 308 <input type="checkbox"/>	MASS 311 <input type="checkbox"/>	
MASS 360 <input type="checkbox"/>	MASS 370 <input type="checkbox"/>	MASS 375 <input type="checkbox"/>	
MASS 397 <input type="checkbox"/>			

Mass Media Electives:

One of the following:			3 Hours
MASS 309 <input type="checkbox"/>	MASS 371 <input type="checkbox"/>	MASS 380 <input type="checkbox"/>	

Economics			3 Hours
ECON 212 <input type="checkbox"/>			

History			3 Hours
HIST 312 or another HIST 300 or above <input type="checkbox"/>			

Leadership			6 Hours
LEAD 101 <input type="checkbox"/>	LEAD 102 <input type="checkbox"/>		

Statistics			3 Hours
MATH 123 <input type="checkbox"/>			

Political Science			3 Hours
POLS 201 <input type="checkbox"/>			

One of the following			3 Hours
POLS 201 <input type="checkbox"/>	POLS 313 <input type="checkbox"/>		

Communication: One of the following			3 Hours
COMM 301 <input type="checkbox"/>	COMM 314 <input type="checkbox"/>		

Senior Capstone			3 Hours
MASS 420 <input type="checkbox"/>			

Total			60 Hours

Requirements for a major in Organizational Communication: Communication 205, 210, 250, 301, 314, 320, 380, 420, and 430; Mass Media 101, 121, 207, 230, 309, 312, 370, 420; Communication/Mass Media 310, 397; Computer Science 105.

Communication			25 Hours
COMM 205 <input type="checkbox"/>	COMM 210 <input type="checkbox"/>	COMM 250 <input type="checkbox"/>	
COMM 301 <input type="checkbox"/>	COMM 314 <input type="checkbox"/>	COMM 320 <input type="checkbox"/>	
COMM 380 <input type="checkbox"/>	COMM 420 <input type="checkbox"/>	COMM 430 <input type="checkbox"/>	

Mass Media			24 Hours
MASS 101 <input type="checkbox"/>	MASS 121 <input type="checkbox"/>	MASS 207 <input type="checkbox"/>	
MASS 230 <input type="checkbox"/>	MASS 309 <input type="checkbox"/>	MASS 312 <input type="checkbox"/>	
MASS 370 <input type="checkbox"/>	MASS 420 <input type="checkbox"/>		

Communication/Mass Media			6 Hours
COMM/MASS 310 <input type="checkbox"/>			
COMM/MASS 397 <input type="checkbox"/>			

Computer Science			3 Hours
CSCI 105 <input type="checkbox"/>			

Recommended Courses:

COMM 190 COMM 217 ACCT 201

MASS 150

Total **58 Hours**

Requirements for the Radio and Television Major: Mass Media 101, 121, 207, 215, 216, 311, 321, 397, 420; two courses selected from Mass Media 280, 307, 371 and 375; Economics 212; Leadership 101 and 102; Mathematics 123; Management 381; two courses selected from Communication 217, 301, and 314.

Required Mass Media Courses **24 Hours**

MASS 101 MASS 121 MASS 207

MASS 215 MASS 216 MASS 311

MASS 321 MASS 397

Mass Media Electives: Any two of the following: **6 Hours**

MASS 280 MASS 307 MASS 371

MASS 375

Economics **3 Hours**

ECON 212

Leadership **6 Hours**

LEAD 101 LEAD 102

Statistics **3 Hours**

MATH 123

Management **3 Hours**

MNGT 381

Communication: Any two of the following **6 Hours**

COMM 217 COMM 301 COMM 314

Senior Capstone **3 Hours**

MASS 420

Total **57 Hours**

Requirements for a minor in Advertising and Public Relations: Mass Media 101, 207, 225, 230, 309, 370.

Requirements for a minor in Journalism: Mass Media 101, 207, 311, 360, and 420; and either Mass Media 307 or 308.

Requirements for a minor in Radio & Television: Mass Media 101, 207, 215, 216, 311, and 321.

Requirements for a minor in Sports Management: Physical Education 133, Management/Physical Education 330, plus two courses chosen from Physical Education 325, 328, 497; plus, for the **administration track**, Economics 211, Accounting 201, plus two courses chosen from Management 251, 301, 345, 381, Economics 340; plus for the **information track**, Mass Media 207, 374, plus two courses chosen from Mass Media 230, 308, 309, 370. Students must choose between the administration and information tracks. In offering this minor, the department participates with the Departments of Economics, Management, and Accounting and Health and Physical Education.

MASS 101 Mass Media and Society

Effects of radio, television, newspapers, magazines, advertising and public relations upon the economic, social and political behavior of the American people. Course includes the historical development of various media.

Credit: 3 Hours.

MASS 121 Introduction to Broadcast Production

This laboratory course teaches the principles of broadcast production for radio and television. Students will be involved in on-air production of programs on WMRT-FM and WCMO-TV.

Credit: 3 Hours.

MASS 150 Photography and Visual Communications

Basic skill in methods of photography for newspapers, public relations, advertising, and television. Fundamentals of camera, film, and darkroom technique. Study of aesthetics, composition, symbolism, and photo editing.

Prerequisite: Written permission of instructor.

Credit: 3 Hours.

MASS 207 Writing for Media

Intensive instruction and practice in writing and reporting for the media. Emphasis will be upon gathering of information via research and interviewing for print media. Students will also be introduced to broadcast writing. Work on Marcolian required.

Prerequisite: English 101, English 060, or written permission of instructor.

Credit: 3 Hours.

MASS 215 Electronic Media in America

History, development, and use of radio, television and new electronic media in our society. Explores the technical basis of devices and inventions which fueled the growth and direction of broadcasting, cable and emerging electronic media systems. Looks at programming, rating systems, and ethics. Also covers the regulation of broadcasting, networks, cable operations, and individual stations.

Prerequisite: Mass Media 101.

Credit: 3 Hours.

MASS 216 Audio Production

Introduction to creative operation of audio production equipment. Includes problems in production of information, entertainment, commercial, and documentary programs, with some study of basic radio programming methods. Extensive laboratory work.

Prerequisite: Mass Media 121 or written permission of instructor.

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.

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: Sophomore standing or above.

Credit: 3 Hours.

MASS 280 Media Announcing and Performance

Study and application of announcing and performance styles currently in use in media. Provides understanding of the functions of and challenges facing the media announcer and performer. On-air announcing on WMRT-FM is required during the course.

Credit: 3 Hours.

MASS 307 Reporting Today's News

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 Media 207.

Credit: 3 Hours.

MASS 308 Article Writing

Theory and practice in writing a variety of feature articles of growing complexity for newspapers and magazines. Lab work for campus and other media required.

Prerequisite: Mass Media 207.

Credit: 3 Hours.

MASS 309 Corporate Communications

Provides instruction and significant practice in creating brochures, instructional writing, visually oriented materials, and institutional radio and television. Focuses on the use of mass media systems and tools within the private setting to create understanding and inspire behavioral changes. Lab work includes writing and producing programs for WCMO-TV and WMRT-FM and actual communications work for local non-profit or charitable organizations.

Prerequisite: Mass Media 207.

Credit: 3 Hours.

MASS 310 Organizational Communication

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. (Also listed as Communication 310.)

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 required.

Prerequisite: Mass Media 207.

Credit: 3 Hours.

MASS 312 Writing for Public Relations

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.

Credit: 3 Hours.

MASS 321 Video Production

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 Media 121.

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 Hour.

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 Hour.

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 Hour.

MASS 356, 357, 456, 457 Corporate Communications Practicum

Individualized course in which student does assigned work in corporate and institutional communications for a college or outside nonprofit client.

Prerequisite: Written permission of instructor.

Credit: 1 Hour.

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 Hour.

MASS 360 Editing

Instruction and practice in editing local and wire service news for media. Topics will include style, headline writing, selection of photos, legal and ethical limits on the press, and 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, brochures, advertisements, and other publications.

Prerequisites: Mass Media 207 and written permission of instructor.

Credit: 3 Hours.

MASS 371 Advanced Video Production

Intensive instruction and practice in single camera production and tape-to-tape post production editing techniques. Students will work with outside clients in conceiving, producing, and post-producing a variety of projects.

Prerequisites: Mass Media 321 and written permission of instructor.

Credit: 3 Hours.

MASS 374 Sports Promotion and Public Relations

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.

Credit: 3 Hours.

MASS 375 Website Design

This course will teach each student to produce a fully functional web site. To do this, the students will have to integrate photography, writing, editing & publishing skills, as well as the web design knowledge they will gain from this class.

Prerequisites: Mass 150, Mass 207, Mass 370, or 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 using QuarkXpress.

Prerequisite: Mass Media 225, 370

Credit: 3 Hours.

MASS 420 Media Ethics and Law

Explores the many legal and ethical questions that surround media operations. Includes constitutional issues, privacy and right to know rules, legal and regulatory questions affecting the print and broadcast/cable industries. Emphasis on the proper roles of media organizations, methods, and reporting. Considers emerging questions as new technologies replace conventional communications. Mass Media Capstone Course.

Prerequisites: Senior standing and written permission of instructor.

Credit: 3 Hours.

MASS 397/497 Media Internship

Provides student opportunity for professional experience through a working affiliation with a cooperating media organization. Employer evaluation, written report of experience by student, and a student presentation for Mass Media Department faculty and other media interns is required.

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

Credit: 3 Hours.

Masters of Arts in Education***Masters of Arts in Liberal Learning******Masters of Science in Physician Assistant Studies***

(See GRADUATE PROGRAMS section of the Catalog)

Mathematics

Department of Mathematics

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

Chair: Dr. Roger H. Pitasky (pitasky@marietta.edu)

Professor: John R. Michel; assistant professors: Mark A. Miller, John Tynan

Secretary: Jacquelyn B. Lane

The department recommends a concentration of 15 hours of related courses in some field other than mathematics.

Placement

Students must pass the appropriate placement examination before enrolling in their first Mathematics course numbered 113 or above. Students whose placement examination score requires them to take Mathematics 070 or 080 must do so during their first year at Marietta College.

Requirements for a major in Mathematics: Mathematics 125, 126, 225, 301, 302, 304, 351, 353, 357, and 9 additional credits in Mathematics numbered 300 or above; and Computer Science 115. Capstone requirement: Mathematics 351 or 353.

Computer Science	3 Hours
CSCI 115 <input type="checkbox"/>	

Mathematics Requirements	30 Hours
MATH 125 <input type="checkbox"/> MATH 126 <input type="checkbox"/> MATH 225 <input type="checkbox"/>	
MATH 301 <input type="checkbox"/> MATH 302 <input type="checkbox"/> MATH 304 <input type="checkbox"/>	
MATH 351 <input type="checkbox"/> MATH 353 <input type="checkbox"/> MATH 357 <input type="checkbox"/>	

Mathematics Electives: Any 3 of the following Courses	9 Hours
MATH 338 <input type="checkbox"/> MATH 340 <input type="checkbox"/> MATH 346 <input type="checkbox"/>	
MATH 349 <input type="checkbox"/>	

Senior Capstone

MATH 351 or 353

(whichever is taken during the Senior year)

Total	42 Hours
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Requirements for a minor in Mathematics: Mathematics 125, 126, 225, 301, and one additional Mathematics course numbered 300 or above that is not required for the student's major. (This minor is exempt from the 12-hour rule in minors.)

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. (Does not satisfy any portion of College's mathematics requirement.)

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. (Does not satisfy any portion of College's mathematics requirement.)

Credit: 3 Hours.

MATH 113 Math for Elementary Teachers

For students in elementary education program. Real number system and its subsystems, other numeration systems, elementary number theory and informal geometry.

Prerequisite: Passing Level 1 placement test or Mathematics 070.

Credit: 3 Hours.

MATH 118 Excursions in Mathematics

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.

Prerequisite: Passing Level 1 placement test or Mathematics 070.

Credit: 3 Hours.

MATH 121 Precalculus Mathematics

For students who need to improve mathematical skills before attempting calculus. Exponents, systems of linear equations, functions, graphing, inequalities, conic sections, logarithms, trigonometric functions, and identities.

Prerequisite: Passing Level 2 placement test or Mathematics 080.

Credit: 3 Hours.

MATH 123 Practical Statistics

Offers students of social, biological, and management sciences statistical concepts typically used in their fields. Also for liberal arts students who want to be more knowledgeable consumers of statistical analysis. Gives intuitive rather than rigorous discussion of statistical techniques and reasoning. Descriptive statistics, hypothesis testing, contingency tables, and estimation of parameters.

Prerequisite: Passing Level 1 placement test or Mathematics 070.

Credit: 3 Hours.

MATH 125 Calculus I

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 126 Calculus II

(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 126). 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.

Prerequisite: Mathematics 126

Credit: 4 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 351), and Modern Algebra (MATH 353). Topics covered may include logic, set theory, mathematical induction, relations and orders, functions, equivalence relations, and cardinality. Offered alternate semesters.

Prerequisite: Mathematics 126

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 126

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 126

Credit: 3 Hours.

MATH 338 Mathematical Models and Applications

Variety of mathematical models used in social, life, and management sciences. The power of these mathematical systems to explain and predict such real world phenomena as population growth and biological mutations is critically evaluated. Emphasizes process of setting up model and on model's validity, not on technical details of situation being modeled. Offered alternate years.

Prerequisites: Computer Science 115 and Mathematics 225 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. Offered alternate years.

Prerequisites: Computer Science 115 and Mathematics 126.

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 alternate 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. Offered alternate years.

Prerequisite: Mathematics 126.

Credit: 3 Hours.

MATH 351 Advanced Calculus

Rigorous study of limits, derivative, integral and sequences and series. Develops theoretical foundations of material studied in Calculus I-III series. Offered alternate years.

Prerequisite: Mathematics 301 or permission of instructor.

Credit: 3 Hours.

MATH 351 has been approved as an Advanced Studies course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section of the catalog for details of the Advanced Studies requirement.

MATH 353 Modern Algebra

Algebraic systems such as groups, rings and fields and their application to problems in mathematics and other fields. Offered alternate years.

Prerequisite: Mathematics 301 or permission of instructor.

Credit: 3 Hours.

MATH 353 has been approved as an Advanced Studies course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section of the catalog for details of the Advanced Studies requirement.

MATH 357 Mathematical Statistics

Basic concepts of probability and their applications to statistics. Probability, sampling theory, estimation, hypothesis testing, and regression and correlation.

Prerequisite: Mathematics 126.

Credit: 3 Hours.

Modern Languages

Department of Modern Languages

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

Chair: Dr. Janie Rees-Miller (reesmilj@marietta.edu)

Associate professor: Ena C. Vulor (French); assistant professors: Richard K. Danforth (Spanish), Luding Tong (Chinese); lecturers: Akemi Mahood (Japanese), M.Gail Popp (ESL), Victoria A. Snyder (ESL), Jade Thompson (Spanish)

Secretary: Donna Bentley

The department offers a major in Spanish and minors in Spanish and French as well as language instruction in Chinese and Japanese. Brazilian Portuguese is taught when warranted by student interest. Additionally, the department is responsible for courses in English as a Second Language and in Linguistics. The department also participates significantly in the International Business Management major offered by the Department of Economics, Management and Accounting, and in the Asian Studies minor offered by the Department of History, Philosophy, Political Science and Religion.

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 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 Advanced Study (AS) requirement.

Spanish: 7 of the following distributed among language, culture, and literature	21 Hours
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Language: At least one of the following	
SPAN 301 <input type="checkbox"/>	SPAN 310 <input type="checkbox"/>
	SPAN 321 <input type="checkbox"/>

Culture: At least one of the following	
SPAN 330 <input type="checkbox"/>	SPAN 331 <input type="checkbox"/>

Literature: At least one of the following	
SPAN 350 <input type="checkbox"/>	SPAN 351 <input type="checkbox"/>
	SPAN 360 <input type="checkbox"/>

Modern Language Electives	6 Hours
An additional 6 hours approved by the Modern Language Department	

Study Abroad (Advanced Study)	3 Hours
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Total	30 Hours
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International Business Management: The department of Economics, Management, and Accounting is responsible for the major in International Business Management. Details are given under that department above in this section of this catalog.

Requirements for a minor in Asian Studies: Eighteen hours including History 211, 212, and at least 6 hours in Chinese or Japanese language courses (Chinese 130 included), and at least 6 hours in other courses listed in the Asian Studies program section of this catalog, and approved by the Coordinator for Asian Studies.

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 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 320 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.

English as Second Language (ESL) Courses

ESL101 Intensive English

Full-time 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.

ESL102 Intensive English

Full-time 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.

ESL201 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.

ESL202 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.

ESL291 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.

ESL292 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.

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 (ESL291, 292) may be taken as electives. A maximum of 12 ESL hours may count towards graduation.

French Courses

FREN 101 French Level I

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: 3 Hours.

FREN 102 French Level II

Language skills augmented by conversation-based activities. Small group activities. Cultural component includes other French-speaking countries: Belgium, Luxembourg, Switzerland, Francophone Africa and the Caribbean, Vietnam, and French Canada.

Prerequisite: French 101

Credit: 3 Hours.

FREN 130 French Culture and Civilization: Historical Perspective

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

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

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

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 301 Conversation and Composition

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

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

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

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

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.

FREN 401 has been approved as an Advanced Studies course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section of the catalog for details of the Advanced Studies requirement.

Spanish Courses

SPAN 101 Spanish Level I

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 3 years of Spanish in high school.

Credit: 3 Hours.

SPAN 102 Spanish Level II

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: 3 Hours.

SPAN 201 Intermediate Spanish Level I

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

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 its equivalent.

Credit: 3 Hours.

SPAN 301 Conversation and Composition

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

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 permission of instructor.

Credit: 3 Hours.

SPAN 330 Spanish Civilization

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

Spanish-American civilization. Offered when warranted by academic requirements or student interest.

Prerequisite: Spanish 301 or written permission of instructor.

Credit: 3 Hours.

SPAN 350 Highlights of Spanish Literature

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

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 permission of instructor.

Credit: 3 Hours.

SPAN 360 Topics in Spanish and Hispanic Literature

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 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.

SPAN 401 has been approved as an Advanced Studies course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section of the catalog for details of the Advanced Studies requirement.

Chinese Courses**CHIN 101 Elementary Conversational Chinese I**

Pronunciation, practice in character recognition, speaking, sentence structure.

Credit: 3 Hours.

CHIN 102 Elementary Conversational Chinese II

Emphasizes pronunciation, writing, speaking, and reading.

Prerequisite: Chinese 101 or written permission of instructor.

Credit: 3 Hours.

CHIN 130 Perspectives on Chinese Culture

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

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

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

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

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

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.

Credit: 3 Hours.

Japanese Courses

JAPN 101 Elementary Conversational Japanese I

Pronunciation, practice in character recognition, speaking, sentence structure, approached through readings based on the culture of Japan.

Credit: 3 Hours.

JAPN 102 Elementary Conversational Japanese II

Emphasizes pronunciation, writing, speaking, and reading. Prerequisite: Japanese 101 or written permission of instructor.

Credit: 3 Hours.

JAPN 201 Intermediate Japanese I

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

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.

Linguistics Courses

LING 231 Language and Society

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.

LING232 Language, Gender, and Culture

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

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 FL 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

Chair: Dr. Daniel Monek (monekd@marietta.edu)

Assistant professor: Ronda E. King; lecturers: Robert Coddington, Janette R. Corrothers, Elizabeth G. Cummings, Bruce DeMoll, Di Krivchenia, Cynthia Lutz-Puls, William Powell, David Puls, Karen Young

Secretary: Kathleen T. DeLong

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 liberal arts concepts. 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: Students wishing to pursue a degree in music must first audition for preliminary acceptance by the music faculty. Complete acceptance into the major is contingent upon completion of the piano proficiency examination, acceptance into 300-level applied study, successful completion of the sophomore review, and the completion of each of the following courses with a grade point of 2.00 or better: MUSC 111, 112, 141, 142, 201, 211, 241, and the completion of MUSC 111L, 112L, and 211L. 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 major in Music: 59 hours are required in music. MUSC 111, 111L, 112, 112L, 141, 142, 201, 211, 211L, 241, 311, 312, 330, 331; 8 hours of an approved ensemble; 12 hours of applied music (8 hours of primary applied and 4 hours of an approved secondary area, excluding preparatory study – MUSC 150); 12 hours of music electives (excluding MUSC 101); and a senior capstone – MUSC 485. In addition to these course requirements students must successfully complete a recital requirement and the Marietta College piano 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.

Music required courses			24 hours
MUSC 111 <input type="checkbox"/>	MUSC 111L <input type="checkbox"/>	MUSC 112 <input type="checkbox"/>	
MUSC 112L <input type="checkbox"/>	MUSC 141 <input type="checkbox"/>	MUSC 142 <input type="checkbox"/>	
MUSC 201 <input type="checkbox"/>	MUSC 211 <input type="checkbox"/>	MUSC 211L <input type="checkbox"/>	
MUSC 241 <input type="checkbox"/>	MUSC 311 <input type="checkbox"/>	MUSC 312 <input type="checkbox"/>	
MUSC 330 <input type="checkbox"/>	MUSC 331 <input type="checkbox"/>		
Ensemble			8 hours
8 hours from			
MUSC 16X <input type="checkbox"/>	MUSC 16X <input type="checkbox"/>	MUSC 16X <input type="checkbox"/>	
MUSC 16X <input type="checkbox"/>	MUSC 16X <input type="checkbox"/>	MUSC 16X <input type="checkbox"/>	
MUSC 16X <input type="checkbox"/>	MUSC 16X <input type="checkbox"/>		
Applied: Primary area, 8 hours			12 hours
Secondary area, 4 hours			
MUSC X51 <input type="checkbox"/>	MUSC X51 <input type="checkbox"/>	MUSC X51 <input type="checkbox"/>	
MUSC X51 <input type="checkbox"/>	MUSC X51 <input type="checkbox"/>	MUSC X51 <input type="checkbox"/>	
MUSC X51 <input type="checkbox"/>	MUSC X51 <input type="checkbox"/>	MUSC X51 <input type="checkbox"/>	
MUSC X51 <input type="checkbox"/>	MUSC X51 <input type="checkbox"/>	MUSC X51 <input type="checkbox"/>	
Music electives			12 hours
MUSC 120 <input type="checkbox"/>	MUSC 205 <input type="checkbox"/>	MUSC 256 <input type="checkbox"/>	
MUSC 301 <input type="checkbox"/>	MUSC 302 <input type="checkbox"/>	MUSC 303 <input type="checkbox"/>	
MUSC 327 <input type="checkbox"/>	MUSC 332 <input type="checkbox"/>	MUSC 401 <input type="checkbox"/>	
MUSC 402 <input type="checkbox"/>	MUSC 403 <input type="checkbox"/>		
Senior capstone			3 hours
MUSC 485 <input type="checkbox"/>			
Total			59 hours

Requirements for a minor in Music: 24 hours required in music: MUSC 111, 111L, 112, 112L, 211, and 211L; either 330 or 331; 4 hours of an approved ensemble; 4 hours of applied music (excluding preparatory study – MUSC 150); 4 hours of elective study (excluding MUSC 101). 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.

The department participates in the Bachelor of Fine Arts in Musical Theatre offered by the Department of Communication and Theatre Arts. See under *Theatre Arts*.

Requirements of the Bachelor of Fine Arts in Musical Theatre Major.

The BFA in Musical Theatre requires a total of 79 hours of coursework in theatre and related fields: Theatre 103, 106, 107, 109, 111, 206, 266, 303, 304, 314, 354, 397, 481; two courses from Theatre 307, 308, 310, 311, 313; English 350; Music 111, 111L, 112, 112L, 211, 211L, 332; 8 hours from Music 151, 251, 351, 451; 6 hours from Music 161, 162, 163, 164, 165, 166, 167, 168, 169; Dance 101, 102, 103, 104, 105, 106; keyboard competency; participation in productions.

MUSC 101 Music Appreciation

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.

Credit: 3 Hours.

MUSC 111 Theory I

This course provides an introduction to the organizational principles of tonal music, including melodic, harmonic, rhythmic and structural elements such as scales, key signatures, meter, intervals, triads, basic melodic construction, beginning Roman numeral analysis and cadences. Rudimentary knowledge of musical notation is required. Offered every fall. Co-requisite: Music 111L.

Credit: 3 Hours.

MUSC 111LAural Theory I

Laboratory course offered in conjunction with Theory I. This course emphasizes the training of aural skills including sight-singing, interval and chord recognition, and harmonic dictation. Offered every fall. Co-requisite: Music 111

MUSC 112 Theory II

This course provides a continuation to the concepts introduced in Theory I (111) including melodic, harmonic, rhythmic and structural elements such as seventh chords, inversions, figured bass, non-harmonic tones, harmonization, part writing, advanced melodic analysis, secondary functions and modulation. Offered every spring.

Prerequisite: Music 111. Co-requisite: Music 112L

Credit: 3 Hours.

MUSC 112LAural Theory II

Laboratory course offered in conjunction with Theory II. This course emphasizes the continued training of aural skills including sight-singing, interval and chord recognition, and harmonic dictation. Offered every spring.

Prerequisite: 111L. Co-requisite: Music 112.

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 2002 and alternate 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 2003 and alternate years.

Prerequisite: Music 121.

Credit: 1 Hour.

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.

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

Credit: 1 hour

MUSC 145 Guitar Class

Instruction in guitar offered in a laboratory format. Designed for beginners only

Credit: 1 hour

MUSC 201 Beginning Conducting

Introduction to the principles and techniques of choral and instrumental conducting. Offered Spring 2002 and alternate years.

Prerequisites: 111 & 111L and departmental approval.

Credit: 2 hours

MUSC 205 Vocal Methods

Study of the fundamentals of vocal physiology, singing technique, vocal health, and vocal performance skills. Helps students gain the necessary tools for continued self-instruction; and for prospective teachers, the instruction of others.

Credit: 2 Hours.

MUSC 211 Advanced Theory

This course provides a continuation to the concepts introduced in Theory I & II (111 & 112) including chromatic harmony, foreign modulation, and developmental techniques through the analysis of selected 18th, 19th, and 20th century compositions. Offered every Fall.

Prerequisite: Music 112. Co-requisite: Music 211L

Credit: 3 hours

MUSC 211L Advanced Aural Skills

Laboratory course offered in conjunction with Advanced Theory . This course emphasizes the continued training of aural skills including sight-singing, interval and chord recognition, and harmonic dictation. Offered every Fall.

Prerequisite: 112L. Co-requisite: Music 211.

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 spring.

Prerequisite: Music 142.

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 Arts 266).

Credit: 2 hours

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 2003 and alternate 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 2003 and alternate years.

Prerequisites: Music 201.

Credit: 2 hours

MUSC 303 Music for Early Learners

(Substitute course for Music 301) This course is designed for those pursuing licensure in early childhood education. This course will assist the preservice teacher in formulating a philosophy of music education and training him/her in the fundamental procedures, methods, and materials of teaching music in an early childhood setting. Topics covered include the vocal development of children, song interests, movement activities, listening lessons, composition, instruction in recorder, and the application of Orff, Kodaly, and Dalcroze techniques in the classroom. Offered every Spring beginning in 2003.

Prerequisite: Music 101 or written permission of the instructor.

Credit: 3 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 and 211L.

Credit: 2 hours

MUSC 312 Orchestration & Arranging

Introduction to scoring for orchestra and band including scoring exercises for each instrument family, making piano reductions, transcribing piano works, score engraving and part extraction. Additional attention will be given to arranging for choral ensembles. Students will be required to use music notation software. Offered every Spring.

Prerequisite: Music 211 Co-requisite: 311 or departmental approval.

Credit: 2 hours

MUSC 327 Jazz

Study of jazz from New Orleans to present. Offered when warranted by academic requirements or student interest.

Credit: 3 Hours.

MUSC 330 Music History I

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.

Credit: 3 hours

MUSC 331 Music History II

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.

Credit: 3 hours

MUSC 332 History of Musical Theatre

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

MUSC 485 Senior Capstone

Designed to be completed during a music major'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. Projects may be drawn from one of the five options given below:

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.

Music Theory/Composition: Student will present a major paper of theoretical analysis and/or a portfolio of original composition(s) for performance.

Music Scholarship: Student will present a research thesis on musicological or theoretical subjects in both written and lecture forms.

Applied Pedagogy: Student will present a lecture-recital to demonstrate pedagogical principles and results. Prerequisite: Special study in pedagogy

Internship: Departmental-approved, supervised field experience in music or music-related activities.

Credit: 3 hours

MUSC 485 has been approved as an Advanced Studies course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section of the catalog for details of the Advanced Studies requirement.

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.

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 FINANCIALAID sections of this catalog.

Ensembles

Performing ensembles play an important role in life at Marietta College and are open to all interested students. Credit: 1 hour

MUSC 161 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.

MUSC 162 Women's Choir

The Women's Choir performs a variety of musical styles suitable for female voices and occasionally tours in conjunction with the Concert Choir. 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, but focus primarily on vocal jazz. 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.

Musical Theatre

(See Theatre Arts for major)

Organizational Communication

(See Communication and Theatre Arts or Mass Media for major)

Petroleum Engineering

Edwy R. Brown Department of Petroleum Engineering and Geology

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

Chair: Dr. Robert W. Chase (chaser@marietta.edu)

Associate professors: W. David Cress, Frederick R. Voner; assistant professors: David C. Freeman, Kelsey B. Luman; instructor: Wendy L.

Bartlett; lecturer: Veronica Freeman; technician: Daniel R. Jones

Secretary: Susan P. Martin

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.

Vision of the Program: To be recognized by the petroleum industry and other educational institutions as one of the premier petroleum engineering programs in the United States.

Mission of the Program: To graduate well-educated 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.

Goals of the Program: The primary goals of the program are to selectively recruit and graduate approximately 20 highly-qualified U.S. and international students each year, placing these students in entry-level industry positions or graduate programs, and to maintain an ABET accredited program in petroleum engineering.

Educational Objectives of the Program: The following educational objectives are critical to achieving our Mission, Vision, and Goals.

1. Provide students with a fundamental knowledge of petroleum engineering in the areas of drilling, production and reservoir engineering.
2. Provide students with an integrated design experience beginning with exposure and exercises in freshman-level courses leading to a comprehensive capstone experience in the senior year. Industry involvement in several projects will provide a real-world focus to the process of design employed in petroleum engineering.
3. Provide students with opportunities throughout the curriculum to develop good written, oral and computational communication skills.
4. Provide students with a recognition and understanding of the professional and societal responsibilities associated with being a petroleum engineer.
5. Provide students with an environment in which they can address global and multicultural issues, investigate models of social behavior and leadership, sharpen their aesthetic sense, and embrace their own social and personal development.

Requirements for a major in Petroleum Engineering: (138 hours are required for the B.S.P.E. degree.) Petroleum Engineering 216, 301, 302, 317, 318, 341, 342, 343, 405, 406, 421, 423, and 430; Engineering 311, 312, 321, 341, 351, and 425; Mathematics 125, 126, 225, 302, and 357; Geology 111, 112, and 326; Physics 221 and 222; Chemistry 131-134; Computer Science 210; and English 406. Capstone experience: Petroleum Engineering 430.

All majors must fulfill all of the general college requirements. (See Degree Requirements)

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.

Freshman Year - Fall Semester

Mathematics 125	4
First Year Seminar	3
College Life and Leadership Lab	1
Geology 111	4
English 101	3
Chemistry 131 and 133	4
	19

Spring Semester

Mathematics 126	4
Petroleum 216	3
Geology 112	4
Communication 101	3
Chemistry 132 and 134	4
	18

Sophomore Year - Fall Semester

Mathematics 302	4
Physics 221	4
Petroleum 301	1
Engineering 311	3
Computer Science 210	3
General Education	3
	18

Spring Semester

Mathematics 225	3
Physics 222	4
Engineering 312	3
Engineering 321	3
General Education	3
	16

Junior Year - Fall Semester

Petroleum 302	1
Petroleum 341	3
Engineering 351	3
Petroleum 317	3
Mathematics 357	3
General Education	3

16

Spring Semester

Petroleum 318	3
Petroleum 342	3
Petroleum 343	3
Geology 326	3
English 406	3
General Education	3

18

Senior Year - Fall Semester

Petroleum 405	3
Petroleum 421	3
Engineering 425	3
General Education	6

15

Spring Semester

Petroleum 406	3
Petroleum 423	3
Petroleum 430	3
Engineering 341	3
General Education	6

18

The additional tuition fee for hours in excess of 18 each semester 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, 301, 302, 317, 341, 343, and one 3 credit elective.

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.

Prerequisite: Mathematics 121 or higher.

Credit: 3 Hours.

PETR 301 Core Analysis Laboratory

Investigation of fundamental properties of reservoir rocks and fluids; preparation of core samples; porosity measurements; single-phase permeability and investigation of Klinkenberg effect; two-phase relative permeability measurements; capillary pressure characteristics of fluid-rock systems. Three-hour laboratory.

Prerequisite: Sophomore standing. Recommended prerequisite: Petroleum 216.

Credit: 1 Hour.

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 pseudo-critical constants; vapor pressure; dew point and bubble point; equilibrium constants; flash and differential vaporization; behavior of condensate and retrograde condensate systems; computer simulation of laboratory phase cell behavior.

Prerequisites: Chemistry 131 and 133; and Computer Science 115 or 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; computer applications.

Prerequisites: Petroleum 216 and 317.

Credit: 3 Hours.

PETR 341 Drilling Engineering

Utilization of oil/gas well drilling prognosis as a working document for a selected international, off-shore floating drilling operation. 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. Basic calculations for both surface and subsea well control operations are strongly emphasized.

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, 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

Reservoir engineering aspects of water-flooding, gas injection, polymer flooding, CO₂ flooding, steam stimulation, steam flooding, and insitu combustion; design considerations and economics.

Prerequisites: Petroleum 318 and 342.

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; reservoir simulation; and computer applications. This course integrates lecture, laboratory and field experience.

Prerequisites: Petroleum 317 and 342.

Credit: 3 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.

PETR430 has been approved as an Advanced Studies course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section of the catalog for details of the Advanced Studies requirement.

Philosophy

Department of History, Philosophy, Political Science, and Religion
Website: <http://www.marietta.edu/~provost/majors/philosophy.html>
Chair: Dr. Michael Tager, (tagerm@marietta.edu)
Professor: Sara K. Shute; associate professor: Kenneth J. Itzkowitz
Secretary: Paula R. Lewis

Requirements for a minor in Philosophy: 18 hours in Philosophy, including 101 and at least 9 hours at the 300 level.

PHIL101 Logic

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.

Credit: 3 Hours.

PHIL102 Philosophical Problems

Considers some persisting problems of philosophy. Attempt to understand and critique variety of historical and contemporary attempts at resolutions of these problems.

Prerequisite: Philosophy 101.

Credit: 3 Hours.

PHIL 115 Social and Political Philosophy

An historical study of the attempt to justify coercive institutions including the family and the state. Representative figures include Plato, Hobbes, Locke, Rousseau, Marx, Rawls, and MacIntyre.

Credit: 3 Hours.

PHIL120 Moral Philosophy

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.

PHIL175 Introduction to Western Philosophy I

Historical introduction to philosophy focusing on questions of reality, knowledge, and good life as asked and answered by figures from Socrates to Descartes. Students encouraged to inquire critically and creatively into continuities between earlier and later philosophical thinking.

Credit: 3 Hours.

PHIL176 Introduction to Western Philosophy II

Historical introduction to philosophy focusing on questions of reality, knowledge, and good life as addressed after Descartes and in 20th century. Students encouraged to examine issues of our world from age-old perspectives and to see how these perspectives live on.

Credit: 3 Hours.

PHIL210 Introduction to Eastern Philosophy

Lecture, reading, and discussion of representative philosophical thought in India and China. Vedantism, Buddhism, Confucianism, Taoism, and Ch'an (Zen) Buddhism among schools surveyed. Comparison of philosophical thought of East and West.

Credit: 3 Hours.

PHIL211 Philosophy in Literature and Science Fiction

Examination of philosophical themes as presented in variety of literary and science fiction works (films may be included). Questions raised include: Can a machine ever acquire personhood? Will technology improve earth's future? Can belief in God be reconciled with existence of evil? Is human behavior free or predetermined? Does life have meaning? What is true nature of universe? Does time-travel make logical sense? Representative authors include Dostoevsky, Kafka, Pope, Huxley, Descartes, Epictetus, Nietzsche, Crane, Russell, Hesse, James, Sartre, Vonnegut, Borges, Heinlein, Spinrad, Dick, Asimov, Causey, Aldiss, and Sheckley. Offered when warranted by academic requirements or student interest.

Credit: 3 Hours.

PHIL 232 Gender in Philosophy

Philosophical theories of sex/gender: men's and women's natures, roles, and virtues. Selections of writings from the ancient period to the present.

Credit: 3 Hours.

PHIL241 Philosophy of Sex and Love

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.

PHIL321 Environmental Ethics

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.

Credit: 3 Hours.

PHIL323 Philosophy of Social and Natural Sciences

General introduction to methods, concepts, and presuppositions of scientific inquiry in both social and natural sciences. Offered when warranted by academic requirements or student interest.

Credit: 3 Hours.

PHIL325 Knowledge, Self, and Reality

Selections from classical and modern writers on nature of knowledge, truth, reality, and meaning of existence. Offered alternate years.

Credit: 3 Hours.

PHIL328 Philosophy of Art

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.

Credit: 3 Hours.

PHIL336 Existentialism

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.

Prerequisites: Philosophy 175 and 341, or permission of instructor.

Credit: 3 Hours.

PHIL341-345 Philosophy in the West

(See separate descriptions that follow.) Series of courses to acquaint student with some of greatest philosophers and philosophic movements of Western culture. Selections from writings of philosophers themselves form primary basis for these courses. Emphasizes providing analysis that are faithful to historical context and also lend themselves to discussions of problems of contemporary philosophic interest.

PHIL341 Philosophy in Ancient Greece and Rome

Philosophies of Plato and Aristotle, and consideration of representatives of Epicureanism, Stoicism, Skepticism, and NeoPlatonism. Offered when warranted by academic requirements or student interest.

Credit: 3 Hours.

PHIL343 Early Modern Philosophy

Selections from writings of representative rationalist and empiricist philosophers of 17th and 18th centuries, including Descartes, Spinoza, Leibniz, Locke, Berkeley, and Hume. Kant's attempt to resolve rationalist/empiricist controversy. Offered when warranted by academic requirements or student interest.

Credit: 3 Hours.

PHIL344 Late Modern Philosophy

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.

Credit: 3 Hours.

PHIL345/445 Contemporary Philosophy

Recent or current philosophy as practiced in a major philosophical trend or by a leading figure. Eligible students may repeat this course for credit when content varies.

Prerequisites for Philosophy 345: Successful completion of at least two Philosophy courses.

Credit: 3 Hours.

PHIL 445 has been approved as an Advanced Studies course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section of the catalog for details of the Advanced Studies requirement.

Physics

Department of Physics

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

Chair: Dr. Stanley F. Radford (radfords@marietta.edu)

Assistant professor: Dennis E. Kuhl, Michael D. Seale

Secretary: Jacquelyn B. Lane

The Physics Program at Marietta College is intended to provide students with a rigorous and thorough background in theoretical, experimental, and computational physics. The Program consists of two majors: the Physics Major and Applied Physics Major. Both majors follow the same basic curriculum for the first two years. The details of the final two years can vary depending on student interest.

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.

Requirements for a major in Physics: 56 credit hours including Chemistry 131, 133; Computer Science 210; Mathematics 125, 126, 225, and 302; Physics 221, 222, 321, 322, 331, 332, 342, 352, 362, 491, and 492; six additional hours selected from Physics 381, 442, 452, 462 (PHYS 381 may be counted only once).

Required Physics Courses 25 Hours

PHYS 221 <input type="checkbox"/>	PHYS 222 <input type="checkbox"/>	PHYS 321 <input type="checkbox"/>
PHYS 322 <input type="checkbox"/>	PHYS 331 <input type="checkbox"/>	PHYS 332 <input type="checkbox"/>
PHYS 342 <input type="checkbox"/>	PHYS 352 <input type="checkbox"/>	PHYS 362 <input type="checkbox"/>

Chemistry Courses 4 Hours

CHEM 131, 133 <input type="checkbox"/>
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Computer Science Course 3 Hours

CSCI 210 <input type="checkbox"/>

Mathematics Courses 15 Hours

MATH 125 <input type="checkbox"/>	MATH 126 <input type="checkbox"/>	MATH 225 <input type="checkbox"/>
MATH 302 <input type="checkbox"/>		

Physics Electives:

Six hours from the following 6 Hours

PHYS 381 <input type="checkbox"/>	PHYS 442 <input type="checkbox"/>	PHYS 452 <input type="checkbox"/>
PHYS 462 <input type="checkbox"/>		

Advanced Studies 3 Hours

PHYS 491 <input type="checkbox"/>	PHYS 492 <input type="checkbox"/>
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Total 56 Hours

Students planning to attend graduate school should take as many as possible of the following: Computer Science 115; Mathematics 304 and 340; Physics 381, 442, 452, 462, and one or two credits of 499.

Requirements for a major in Applied Physics: 56 credit hours including Chemistry 131, 133; Computer Science 210; Mathematics 125, 126, 225, and 302; Physics 221, 222, 321, 322, 331, 332, 491, and 492; fifteen additional hours selected from Biology 101, 105, 102, 106, 131, 318 (319 lab optional); Chemistry 132, 134, 331, 332; Computer Science 115, 116, 215, 216, 305; Engineering 311, 312, 321; Mathematics 123, 338, 340, 357; Physics 376, 381.

Required Physics Courses 16 Hours

PHYS 221 <input type="checkbox"/>	PHYS 222 <input type="checkbox"/>	PHYS 321 <input type="checkbox"/>
PHYS 322 <input type="checkbox"/>	PHYS 331 <input type="checkbox"/>	PHYS 332 <input type="checkbox"/>

Chemistry Courses 4 Hours

CHEM 131, 133 <input type="checkbox"/>
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Computer Science Course 3 Hours

CSCI 210 <input type="checkbox"/>

Mathematics Courses 15 Hours

MATH 125 <input type="checkbox"/>	MATH 126 <input type="checkbox"/>	MATH 225 <input type="checkbox"/>
MATH 302 <input type="checkbox"/>		

Electives: Fifteen hours from the following 15 Hours

BIOL 101, 105 <input type="checkbox"/>	BIOL 102, 106 <input type="checkbox"/>
BIOL 131 <input type="checkbox"/>	BIOL 318 <input type="checkbox"/>
BIOL 319 (optional) <input type="checkbox"/>	
CHEM 132, 134 <input type="checkbox"/>	CHEM 331 <input type="checkbox"/>
CSCI 115 <input type="checkbox"/>	CSCI 116 <input type="checkbox"/>
CSCI 216 <input type="checkbox"/>	CSCI 305 <input type="checkbox"/>
EGRG 312 <input type="checkbox"/>	EGRG 321 <input type="checkbox"/>
MATH 338 <input type="checkbox"/>	MATH 340 <input type="checkbox"/>
PHYS 376 <input type="checkbox"/>	PHYS 381 <input type="checkbox"/>

Advanced Studies 3 Hours

PHYS 491 <input type="checkbox"/>	PHYS 492 <input type="checkbox"/>
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Total 56 Hours

Requirements for a minor in Physics: 24 credit hours including Physics 221, 222, 321, 322, 331, and 332; Mathematics 125 and 126.

Suggested Sequence of Courses Required for the Physics Major

Freshman Year – Fall Semester

PHYS 221:	General Physics I
MATH 125:	Calculus I

Freshman Year – Spring Semester

PHYS 222:	General Physics II
MATH 126:	Calculus II
CSCI 210:	Scientific Computing and Problem Solving

Sophomore Year – Fall Semester

PHYS 321:	Modern Physics
PHYS 331:	Experimental Physics I
MATH 302:	Differential Equations with Numerical Methods

Sophomore Year – Spring Semester

PHYS 322:	Thermodynamics and Statistical Mechanics
PHYS 332:	Experimental Physics II
MATH 225:	Calculus III

Junior Year – Fall Semester

PHYS 342:	Classical Mechanics I
PHYS 381:	<i>Special Topics</i>
CHEM 131:	General Chemistry I
CHEM 133:	General Chemistry Laboratory I

Junior Year – Spring Semester

PHYS 352:	Electricity and Magnetism I
PHYS 362:	Quantum Mechanics I

Senior Year – Fall Semester

PHYS 491:	Physics Research I
PHYS 452:	<i>Electricity and Magnetism II</i>
PHYS 381:	<i>Special Topics</i>

Senior Year – Spring Semester

PHYS 492:	Physics Research II
PHYS 462:	<i>Quantum Mechanics II</i>
PHYS 442:	<i>Classical Mechanics II</i>

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

PHYS 205 Astronomy and Great Ideas of Science I

Process of arriving at our present understanding of universes, large and small, the great feats of human reasoning and experimentation involved, and the wide range of applicability of the principles that govern it all. Three hours of lecture/discussion and two hours of laboratory per week. Six required evening viewing sessions per semester.

Prerequisite: Mathematics 113 or higher

Credit: 4 Hours

PHYS 206 Astronomy and Great Ideas of Science II

Activity of understanding phenomena seen at very small and very large dimensions, introducing contemporary notions of particle physics and general relativity. Three hours of lecture/discussion and two hours of laboratory per week. Six required evening viewing sessions per semester.

Prerequisite: Astronomy 205

Credit: 4 Hours

Physics Courses

PHYS 211 College Physics I

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. Three hours of lecture/discussion and three hours of laboratory per week.

Prerequisite: Mathematics 121 or passing score on Calculus Readiness Test

Credit: 4 Hours

PHYS 212 College Physics II

A continuation of Physics 211. Main topics covered include thermodynamics, wave motion, electricity, and magnetism. Three hours of lecture/discussion and three hours of laboratory per week.

Prerequisite: Physics 211

Credit: 4 Hours

PHYS 221 General Physics I

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

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 126

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 331 Experimental Physics I

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. Three hours of laboratory per week.

Prerequisite: Physics 222

Credit: 1 Hour

PHYS 332 Experimental Physics II

A continuation of Physics 331. Emphasis will be on developing the student's ability to work independently with a minimum of structured guidance. Three hours of laboratory per week.

Prerequisite: Physics 331

Credit: 1 Hour

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

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

Credit: 3 Hours

PHYS 376 Environmental Physics

Integrated lecture, discussion, and laboratory activities will explore the following topics: heat transfer mechanisms and the efficiency of energy conversion processes; environmental implications of the use of fossil fuels and various renewable energy sources; local and global physical and biological effects of the interaction of electromagnetic radiation with matter; energy from the atomic nucleus and its attendant management considerations. Four hours of lecture/discussion/ laboratory per week. Offered in the spring of even calendar years.

Prerequisites: Computer Science 210 and either Chemistry 131-134 or Physics 221-222

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 491 and 492 have together been approved as an Advanced Studies course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section for details of the Advanced Studies requirement

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

Department of History, Philosophy, Political Science, and Religion

Website: <http://www.marietta.edu/~provost/majors/political.html>

Chair: Dr. Michael Tager (tagerm@marietta.edu)

Professor: Jacqueline DeLaat; associate professor: Xiaoxiong Yi

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 101 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, 312, 327, 329, 330; one international course from 207, 130, 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; 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, or leadership 201 or 202); and Mathematics 123. No more than six hours of internship may count toward the 33 hour minimum requirement. Capstone requirement: Political Science 420.	Senior Capstone POLS 420 <input type="checkbox"/>	3 Hours
	Total	48 Hours
Political Science Courses POLS 103 <input type="checkbox"/>	3 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, 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.
One of the following POLS 206 <input type="checkbox"/> POLS 305 <input type="checkbox"/>	3 Hours	
One of the following POLS 301 <input type="checkbox"/> POLS 302 <input type="checkbox"/> POLS 313 <input type="checkbox"/> POLS 314 <input type="checkbox"/>	3 Hours	
Comparative Politics: One of the following POLS 120 <input type="checkbox"/> POLS 203 <input type="checkbox"/> POLS 226 <input type="checkbox"/> POLS 312 <input type="checkbox"/> POLS 327 <input type="checkbox"/> POLS 329 <input type="checkbox"/> POLS 329 <input type="checkbox"/> POLS 330 <input type="checkbox"/>	3 Hours	
International Relations: One of the following POLS 107 <input type="checkbox"/> POLS 130 <input type="checkbox"/> POLS 230 <input type="checkbox"/> POLS 340 <input type="checkbox"/>	3 Hours	
Internship or Study Abroad POLS X97 or Study Abroad <input type="checkbox"/>	3 Hours	
Political Science Electives: Any 4 of the following not used to complete above-listed requirements POLS 120 <input type="checkbox"/> POLS 130 <input type="checkbox"/> POLS 201 <input type="checkbox"/> POLS 203 <input type="checkbox"/> POLS 205 <input type="checkbox"/> POLS 206 <input type="checkbox"/> POLS 207 <input type="checkbox"/> POLS 210 <input type="checkbox"/> POLS 212 <input type="checkbox"/> POLS 226 <input type="checkbox"/> POLS 230 <input type="checkbox"/> POLS 301 <input type="checkbox"/> POLS 302 <input type="checkbox"/> POLS 305 <input type="checkbox"/> POLS 306 <input type="checkbox"/> POLS 310 <input type="checkbox"/> POLS 312 <input type="checkbox"/> POLS 313 <input type="checkbox"/> POLS 314 <input type="checkbox"/> POLS 322 <input type="checkbox"/> POLS 327 <input type="checkbox"/> POLS 329 <input type="checkbox"/> POLS 330 <input type="checkbox"/> POLS 340 <input type="checkbox"/>	12 Hours	
American History: One course HIST <input type="checkbox"/>	3 Hours	
European - Non-Western History One course HIST <input type="checkbox"/>	3 Hours	
Social Science Electives: Any two courses ECON <input type="checkbox"/> ECON <input type="checkbox"/> PSYC <input type="checkbox"/> PSYC <input type="checkbox"/> LEAD 201 <input type="checkbox"/> LEAD 202 <input type="checkbox"/>	6 Hours	
Statistics MATH 123 <input type="checkbox"/>	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

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.

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

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.

Prerequisite: History 225.

Credit: 3 Hours.

POLS 230 International Relations

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 301 Classical Political Thought

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

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

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.

Prerequisite: Political Science 103 and 206.

Credit: 3 Hours.

POLS 312 Political Systems of Developing Nations

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.

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.

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

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

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.

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.

POLS 397 and 497 have been approved as Advanced Studies courses. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section of the catalog for details of the Advanced Studies requirement.

Psychology

Department of Psychology

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

Chair: Dr. Mary V. Barnas (barnasm@marietta.edu)

Associate professor: Mark E. Sibicky; assistant professors: Ryan K. May, Carla R. Scanlan; lecturers: Cheryl E. Arnold, Robert D. Westbrook

Secretary: Linda J. Gorman

The Department of Psychology provides a comprehensive introduction to the study of behavioral and mental phenomena within a liberal arts tradition. The department emphasizes the scientific foundation of psychology and the application of psychological principles to a variety of settings. The psychology major provides students with the intellectual and professional skills that allow them to pursue meaningful careers or seek advanced training in psychology or other professional fields.

Requirements for major in Psychology: Psychology 101, 102, 285, 286 and 401, and one course from each of the following divisions: Division I—Experimental Psychology: Psychology 205, 310, or 406; Division II—Social and Developmental Psychology: Psychology 206, 207, 212, 225, 320, or 325; Division III—Applied Psychology: Psychology 303, 350, 355, 360, 365 or 377; plus an additional two courses within the three divisions. Also required is a year-long capstone project in psychology. This may be performed as a Directed Research Project (491 and 492), a Clinical Internship (481, and 410 or 482), or as an Industrial/Organizational Internship (PSYC 410 and MNGT 451).

Psychology Required Courses	17 Hours	
PSYC 101 <input type="checkbox"/>	PSYC 102 <input type="checkbox"/>	PSYC 285 <input type="checkbox"/>
PSYC 286 <input type="checkbox"/>	PSYC 401 <input type="checkbox"/>	
One course from each of the following divisions		9 Hours
Division I: Experimental Psychology		
One of the following		
PSYC 205 <input type="checkbox"/>	PSYC 310 <input type="checkbox"/>	PSYC 406 <input type="checkbox"/>
Division II Social and Developmental Psychology		
One of the following		
PSYC 206 <input type="checkbox"/>	PSYC 207 <input type="checkbox"/>	PSYC 212 <input type="checkbox"/>
PSYC 225 <input type="checkbox"/>	PSYC 320 <input type="checkbox"/>	PSYC 325 <input type="checkbox"/>
Division III Applied Psychology		
One of the following		
PSYC 303 <input type="checkbox"/>	PSYC 350 <input type="checkbox"/>	PSYC 355 <input type="checkbox"/>
PSYC 360 <input type="checkbox"/>	PSYC 365 <input type="checkbox"/>	PSYC 377 <input type="checkbox"/>
An additional 2 courses from the three divisions		6 Hours
PSYC #1 <input type="checkbox"/>	PSYC #2 <input type="checkbox"/>	
Senior Capstone:		
One of the following options		6 to 8 Hours
Clinical Internship:		
PSYC 481 <input type="checkbox"/>	PSYC 410 or PSYC 482 <input type="checkbox"/>	
Industrial/Organizational Internship:		
PSYC 410 <input type="checkbox"/>	MNGT 452 <input type="checkbox"/>	
Directed Research:		
PSYC 491 <input type="checkbox"/>	PSYC 492 <input type="checkbox"/>	
Total	38 - 40 Hours	

Description of the Capstone Options: Psychology majors have three options for their capstone experience, the Clinical Internship, the Industrial/Organizational Internship, and the Directed Research Project. The Clinical Internship program is funded by the Ohio Department of Mental Health and allows students to learn the theoretical and practical aspects of working with persons with severe mental health disabilities. During the first semester, students will enroll in PSYC 481 wherein they will learn basic skills needed for their internship placement and will be placed in an internship setting. Students who wish to pursue an internship in a treatment facility for the severely mentally disabled will then enroll in PSYC 482 during the second semester. Students who wish to work with a non-clinical population will enroll in PSYC 410 during the second semester.

For the Directed Research Project, the student will conduct an experiment of his or her design. The research will represent the collection of new information relevant to the study of psychology. The results of the research will be summarized in a final research report. Students will use the first semester to review the literature, develop a methodology, and prepare for the start of the research. The student will then use the second semester for collecting and analyzing the data, and preparing the final report. The final report will be evaluated by all the full-time psychology faculty.

Students interested in the Industrial/Organizational Internship may pursue an internship wherein psychology is applied in a business setting. During the first semester, students will complete PSYC 410 which is an advanced review of the theoretical and practical application of psychology to the business setting. During the second semester, students will enroll in MNGT451. Each student will complete a final separate report that will be evaluated by all the full-time psychology faculty.

Capstone requirement: Either the Internship or the Directed Research projects described above.

Note: Students who are majoring in Psychology and Elementary Education, or completing the requirements for a teaching certification, may count their student teaching experience as a completion of the Senior Capstone requirement for both programs. The student will write a paper that examines how the material learned in psychology helped the person as a teacher. The journal and final paper will be reviewed by the faculty of both departments.

Requirements for a minor in Psychology: (20 hours) Psychology 101, 285 and 286, plus three additional Psychology courses.

PSYC 101 Introductory Psychology I

An introduction to psychology as an empirical science. This course is a survey of the major areas and approaches in psychology. Possible topics may include psychophysiology, sensation and perception, learning, and memory. The course places particular emphasis on how psychologists use scientific methodologies to study human behavior and mental processes. *Credit: 3 Hours.*

PSYC 102 Introductory Psychology II

A continuation of Psychology 101 for students needing additional knowledge of Psychology. Topics may include developmental, personality, and social psychology as well as psychopathology and methods of treatment. The course also emphasizes the use of the scientific method to address classical and contemporary questions in the field of psychology.

Prerequisite: Psychology 101.

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 205 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. Offered alternate years.

Prerequisites: Psychology 101.

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

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, and group dynamics.

Prerequisite: Psychology 101.

Credit: 3 Hours.

PSYC 225 Psychology of Gender

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 285 Statistics for the Behavioral Sciences

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.

Prerequisites: Psychology 101 and 102.

Credit: 4 Hours.

PSYC 286 Research Design

Introduction to research skills and APA writing style. Refinement of computer skills related to creating databases, analyzing data, and graphing results. More practice on interpreting the results of data analysis and drawing conclusions.

Prerequisite: Psychology 101, 102, and 285.

Credit: 4 Hours.

PSYC 303 Psychological Testing

Provides introduction to psychometrics including psychometric theory, test construction, and statistical analysis of reliability and validity. Various testing procedures examined.

Prerequisites: Psychology 101, 285 or Math 123.

Credit: 3 Hours.

PSYC 310 Learning and Behavior

Comprehensive review of basic behavioral phenomena that are observed within habituation, classical conditioning, and operant conditioning paradigms. Historical antecedents to contemporary problems and current theoretical work reviewed.

Prerequisites: Psychology 101, 285, and 286.

Credit: 3 Hours.

PSYC 320 Advanced Social Psychology

Detailed review of major theories and research in a specific area of social psychology. Taught as a research seminar. Students are expected to review current research in the area and to design and implement a research project. Offered when warranted by academic requirement or student interest.

Prerequisites: Psychology 212, 285, and 286.

Credit: 3 Hours.

PSYC 325 Theories of Personality

Review of major theories of personalities with special attention to contemporary trends in research and personality assessment. Offered when warranted by academic requirements or student interest.

Prerequisites: Psychology 285 and 286.

Credit: 3 Hours.

PSYC 350 Psychopathology

Etiology, diagnosis, and treatment of psychological disorders from varying theoretical perspectives.

Prerequisites: Psychology 101, 285, and 286.

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, 206 and 285.

Credit: 3 Hours.

PSYC 360 Contemporary Psychotherapies

Survey of contemporary systems used to treat mental and behavioral disorders. Emphasis will be placed on the empirical foundations of psychotherapy and its effectiveness in the treatment of various disorders.

Prerequisite: Psychology 350.

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, 206, 285, 286.

Credit: 3 Hours

PSYC 377 Industrial-Organizational Psychology

Application of psychological principles, theories and research to industrial-organizational settings. Emphasizes the application of empirical perspective to areas of motivation, work-related attitudes, stress, group dynamics, leadership, decision making, and behavioral changes in industrial and organizational settings.

Prerequisite: Psychology 101 and 212.

Credit: 3 Hours.

PSYC 401 The History and Schools of Psychology

Comprehensive review of the history of contemporary psychology. The course will survey the philosophical antecedents of psychology, but will emphasize development of psychology as an empirical science from the 1850s to the present. Students will complete a nationally normed and comprehensive achievement test of psychology.

Prerequisites: Junior standing; Psychology 101, 102 and one additional Psychology course.

Credit: 3 Hours.

PSYC 406 Cognitive Psychology

Comprehensive review of basic cognitive phenomena including memory, problem solving, and language. Historical antecedents to contemporary problems and current theoretical work reviewed.

Prerequisites: Psychology 101, 285, and 286.

Credit: 3 Hours.

PSYC 410 Senior Seminar

A seminar course in which faculty member examines a specific topic within contemporary psychology. Students will read original research and theoretical papers from the psychological literature. The course may also require an empirical research project.

Prerequisite: Senior Standing

Credit: 3 Hours

PSYC 481 Supervised Clinical Practicum I

Application of psychological principles for the treatment of persons with severe mental disabilities. The course includes a traditional three-hour academic course and supervised field work consisting of approximately 8 hours a week. The academic component of the course will emphasize the theoretical and practical aspects of working with persons suffering from severe mental disabilities. The supervised field work will allow students to work in a mental health facility that provides treatment for persons with severe mental health disabilities. Taught fall semester only.

Prerequisite: Psychology major and senior standing; Psychology 350 and 360.

Credit: 4 Hours.

PSYC 481 has been approved as an Advanced Studies course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section for details of the Advanced Studies requirement

PSYC 482 Supervised Clinical Practicum II

A continuation of Psychology 481. Students will complete significant supervised fieldwork in a facility that provides treatments for persons with severe mental health disabilities. The internship portion of the course will consist of approximately eight hours a week. Taught spring semester only.

Prerequisite: Psychology 481.

Credit: 4 Hours.

PSYC 482 has been approved as an Advanced Studies course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section for details of the Advanced Studies requirement

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: Senior standing, Psychology 285 and 286.

Credit: 3 Hours.

PSYC 491 has been approved as an Advanced Studies course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section for details of the Advanced Studies requirement

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 492 has been approved as an Advanced Studies course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section for details of the Advanced Studies requirement

PSYC Individualized Courses

Additional course work is offered through independent study and research. (See Individualized Courses as well as department chair for details.)

Public Accounting

(See Economics, Management and Accounting for major and minor)

Website: <http://www.marietta.edu/~provost/majors/accounting.html>

Public Relations

(See Mass Media for major in Advertising and Public Relations)

Radio and Television

(See Mass Media for major and minor)

Website: <http://www.marietta.edu/~provost/majors/radiotv.html>

Religion

Department of History, Philosophy, Political Science, and Religion

Chair: Dr. Michael Tager (tager@marietta.edu)

Professor: Barbara J. MacHaffie

Secretary: Paula R. Lewis

Requirements for a minor in Religion: Religion 105, 106, and 12 additional hours in Religion.

RELI 105 Introduction to Contemporary American Religion I

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

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 303 Women in Judeo-Christian Tradition

Status of women in history of Christianity from biblical times to present day. (Also listed as History 303.)

Credit: 3 Hours.

RELI 310 History of Religion in United States

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

Interrelationships of religion and culture. Structure and influence of religious organizations. Roles of religious leaders, religion, and social control. Offered when warranted by college requirements or student interest.

Credit: 3 Hours.

RELI 339 Middle Ages

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 350 Religion in a Revolutionary Age

History of Christianity in Western Europe in 18th and 19th centuries. Emphasizes effects of social, political, intellectual, and economic changes on character of Christian doctrine, worship, and institutions. (Also listed as History 350.)

Credit: 3 Hours.

Spanish

(See Modern Languages for major and minor)

Sports Management

(See Economics, Management and Accounting for minor)

Website: <http://www.marietta.edu/~provost/majors/sportsmgmt.html>

Sports Medicine

Department of Sports Medicine

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

Interim Chair: Gloria M. Stewart (stewartg@marietta.edu)

Assistant professor: Richard E. Crowther; instructors: Todd A. Foraker, Richard Hoffman

Secretary: D. Elaine Addis

Requirements for a major in Sports Medicine/Athletic

Training: Health Science 201; Sports Medicine 208, 210, 211, 212, 285, 290, 304, 306, 307, 308, 311, 312, 325, 328, 385, 401, 411, 485 and 486; Biology 202, 203 and 212; Chemistry 131 and 133; Psychology 101; and Mathematics 123. For Sports Medicine majors, CSCI 105 is highly recommended. For graduate school, physical therapy, or other allied health professions, Biology 101; Chemistry 132 and 134; Health Science 202 and College Physics are recommended. See the sample below.

Sample Curriculum Sequence for Sports Medicine Major (Athletic Training Emphasis)

Freshman Year - Fall Semester

SPTM 208 Kinesiology (2)
SPTM 290 Personal Health (3)
CHEM 131, 133 General Chemistry (4)

Spring Semester

SPTM 210 Fundamentals of A.T. (3)
BIOL 212 Human Anatomy (4)
HSCI 201 First Aid (1)

Sophomore Year - Fall Semester

SPTM 211 Practicum I (2)
SPTM 304 Sports Medicine (4)
BIOL 203 Human Physiology (3)

Spring Semester

SPTM 212 Practicum II (2)
SPTM 307 Therapeutic Modalities (2)
STPM 308 Pharmacology (2)

Junior Year - Fall Semester

SPTM 311 Practicum III (2)
SPTM 306 Therapeutic Rehabilitation (4)
SPTM 325 Physiology of Exercise (3)
PSYC 101 General Psychology (3)

Spring Semester

SPTM 312 Practicum IV (2)
SPTM 285 Applied Nutrition (3)
SPTM 385 Basic Pathophysiology (3)
SPTM 328 Practical Biomechanics (2)
MATH 123 Practical Statistics (3)

Senior Year - Fall Semester

SPTM 411 Practicum V (2)
SPTM 485 Research & Design I (1)

Spring Semester

SPTM 401 Cadaver Anatomy (4)
SPTM 486 Research & Design II (2)
BIOL 202 General Microbiology (4)

Athletic Training Admission Requirements: Application for admission into the Athletic Training Program begins during the fall semester of the sophomore year in the Sports Medicine Major. The quota of applicants accepted and enrolled in the program is limited by the faculty/student ratio established by the JRC-AT and CAAHEP, the number of clinical sites available, and the highly individualized nature of this program. Admission to the program includes the following criteria:

- Maintaining a minimum 2.75 GPA overall.
- Achieving a minimum 2.75 GPA or higher in all Sports Medicine requirements (i.e., SPTM 208, 210, 211, 290, 304, and BIOL203, 212).
- A minimum of 150 “directed observation” clinical hours prior to admission.
- Reference evaluations from MC faculty/staff administrators, coaches, etc.

- Character letters of recommendation from former instructors, coaches, personal acquaintances, etc.
- Interview with selected members of the Athletic Training Interview Committee.
- Demonstrating those skills and traits (i.e., dependability, responsibility, initiative, leadership, communication skills, etc.) that are critical for the successful, entry-level NATABOC certified athletic trainer.
- Letter of application stating why the student wants to enter or should enter the Athletic Training Program.
- Evidence of current First Aid and CPR certifications.
- Evidence of Physical Examination by a physician.
- Evidence of vaccinations and immunizations.
- Verification that the student understand and meets the Technical Standards for admission into the Athletic Training Program.

Students not accepted into the Program may re-apply the following semester. (NOTE: For additional information and further details please see the *Sports Medicine Department Student Handbook* and the Department Chair.)

A student must maintain a 2.75 GPA in the major in order to remain in the program and be eligible to take the NATABOC certification exam. Students must successfully complete a minimum of 134 semester hours and 800 clinical hours. Postgraduate opportunities with the Sports Medicine/Athletic Training Program major include athletic training, exercise science, physical therapy, medical school, and physician assistant program.

Policies for Laboratory Experiences. Throughout enrollment in the Athletic Training program of the Sports Medicine major, students may be assigned to various secondary schools, Sports Medicine clinics, hospitals, the Marietta College Sports Medicine facilities, or other affiliate and allied clinical settings identified by the Department of Sports Medicine. Clinical assignments will be changed from semester to semester and may vary within a given semester. Clinical times are somewhat inflexible, due to the practice times of certain athletic teams, and the "open hours" of certain clinical sites, which makes holding down a part-time job or participating in athletics difficult. Students must give priority to the fulfillment of all clinical commitments while enrolled in Sports Medicine courses. Additionally, 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.

Biology		11 Hours
BIOL 202 <input type="checkbox"/>	BIOL 203 <input type="checkbox"/>	BIOL 212 <input type="checkbox"/>
Chemistry		4 Hours
CHEM 131, 133 <input type="checkbox"/>		
Health Science		1 Hour
HSCI 201 <input type="checkbox"/>		

Statistics		
MATH 123 <input type="checkbox"/>		3 Hours
PSYC 101 <input type="checkbox"/>		3 Hours
Sports Medicine		45 Hours
SPTM 208 <input type="checkbox"/>	SPTM 210 <input type="checkbox"/>	SPTM 211 <input type="checkbox"/>
SPTM 212 <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 308 <input type="checkbox"/>	SPTM 311 <input type="checkbox"/>	SPTM 312 <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"/>	
Senior Capstone		3 Hours
SPTM 485 <input type="checkbox"/>	SPTM 486 <input type="checkbox"/>	
Total		70 Hours

Requirements for a major in Allied Health: Sports Medicine 101, 285, 302, 304, 308, 385, 397, 401, 485, 486, Biology 101, 202, 203, 212, Chemistry 131, 133, 132, 134 and one of the following: Mathematics 123, 124, or 125. For students interested in pre-med, physical therapy, physician's assistant, etc., additional courses may be beneficial. See advisor or chair of department for additional information and other possible course requirements.

The Allied Health Major is offered for students with an interest in pre-physical therapy, pre-medicine, and sales related to the medical fields, but not for those interested in NATABOC certification.

Biology		15 Hours
BIOL 101 <input type="checkbox"/>	BIOL 202 <input type="checkbox"/>	BIOL 203 <input type="checkbox"/>
BIOL 212 <input type="checkbox"/>		
Chemistry		8 Hours
CHEM 131 <input type="checkbox"/>	CHEM 132 <input type="checkbox"/>	CHEM 133 <input type="checkbox"/>
CHEM 134 <input type="checkbox"/>		
Math: One of the Following		3-4 Hours
MATH 123 <input type="checkbox"/>	MATH 124 <input type="checkbox"/>	MATH 125 <input type="checkbox"/>
Sports Medicine		21-23 Hours
SPTM 101 <input type="checkbox"/>	SPTM 285 <input type="checkbox"/>	SPTM 302 <input type="checkbox"/>
SPTM 304 <input type="checkbox"/>	SPTM 308 <input type="checkbox"/>	SPTM 385 <input type="checkbox"/>
SPTM 397 <input type="checkbox"/>	SPTM 401 <input type="checkbox"/>	SPTM 485 <input type="checkbox"/>
SPTM 486 <input type="checkbox"/>		
Total		47-50 Hours

Students who have questions about the selective admissions program or seek additional information should contact Marietta College's Office of Admission.

Clinical 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.

Credit: 1 Hour.

SPTM 208 Kinesiology

Science of human motion based on the relationship between anatomic and mechanical principles. Lectures and practical experience in identification and understanding of structure and function of the human musculoskeletal system.

Credit: 2 Hours.

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, 30 hours of directed observation in clinic and satellite training rooms.

Credit: 3 Hours.

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. (Also listed as Biology 285.)

Prerequisite: Biology 101 or written permission of instructor.

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 302 Physical Assessment

Lectures and practical experience in assessment of orthopedic injuries, including joint range of motion, manual muscle testing, neurological evaluation, and special tests related to field of sports medicine. Designed for students not seeking Sports Medicine NATABOC certification. Offered when warranted by academic requirements or student interest.

Prerequisite: Biology 212, or written permission of instructor.

Credit: 2 Hours.

SPTM 304 Medical Aspects of Sports Medicine

Course material is comprised of the medically-oriented aspects of sports medicine. Covering all components of the human body with emphasis applied to the recognition, assessment, evaluation, and management techniques involved in caring for or treating various systemic conditions and athletic injuries.

Prerequisites: Biology 212; and Sports Medicine 208 and 210.
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 Sports Medicine students seeking NATABOC 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 Sports Medicine students seeking NATABOC certification.

Prerequisite: Sports Medicine 208, 210 and 304.

Credit: 2 Hours.

SPTM 308 Pharmacology

Sports pharmacology includes basic drug preparations, classifications, legal implications, and selected medicines most commonly used in athletic training. Designed for Sports Medicine students seeking NATABOC certification.

Prerequisite: Sports Medicine 208, 210, and 304.

Credit: 2 Hours.

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.

Prerequisite: Biology 203 and 212.

Credit: 3 Hours.

SPTM 328 Practical Biomechanics

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 and Sports Medicine 208.

Credit: 2 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: 4 Hours.

SPTM 485 Research and Design I

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.

Credit: 1 Hour.

SPTM 485 has been approved as an Advanced Studies course.
See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section of the catalog for details of the Advanced Studies requirement.

SPTM 486 Research and Design II

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.

Credit: 2 Hours.

SPTM 486 has been approved as an Advanced Studies course.

See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section of the catalog for details of the Advanced Studies requirement.

Sports Medicine Practica

Students must complete the required number of clinical hours in each of the following practica before registering for the next one. Students failing to complete these hours will receive an "incomplete" until the clinical requirements are completed. Each practicum will consist of lectures, required athletic training procedures, and assessment skills.

SPTM 211 Practicum I: Lower Extremity

Prevention, assessment, and management techniques for the lower extremity: foot, ankle, and knee. To be taken first semester of sophomore year; 100 hours of directed observation required.

Prerequisite: Biology 212; Sports Medicine 208 and 210.

Credit: 2 Hours.

SPTM 212 Practicum II: Upper Extremity

Prevention, assessment, and management techniques for the upper extremity: shoulder, elbow, hand, and fingers. 200 hours of directed supervision required.

Prerequisite: Sports Medicine 211.

Credit: 2 Hours.

SPTM 311 Practicum III: Head and Spine

Prevention, assessment, and management techniques for head, cervical spine, lumbar spine, and hip. 200 hours of directed supervision required.

Prerequisite: Sports Medicine 212.

Credit: 2 Hours.

SPTM 312 Practicum IV: Advanced Assessment

Assessment protocol for eyes, ears, chest, nose, throat, chest, heart and abdomen. 200 hours of directed supervision required.

Prerequisite: Sports Medicine 311.

Credit: 2 Hours.

SPTM 411 Practicum V: Organization and Administration

Administration of athletic training programs and instructional methods. Review NATABOC behavioral objectives and competencies. 200 hours of directed supervision required.

Prerequisite: All 200 and 300 level Sports Medicine courses.

Credit: 2 Hours.

Theatre Arts

Department of Communication and Theatre Arts

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

Chair and Director of Theatre: Prof. Ron Loreman (loremanr@marietta.edu)

Professor: Stephen M. Rader; technician: Melissa Grande

Secretary: Barbara S. Hickman

The Department of Communication and Theatre Arts offers three majors in the area of Theatre Arts: Theatre major (B.A. degree), Musical Theatre (B.F.A. degree, requires 79 hours in theatre and related fields), Theatre Major (B.F.A. degree, requires 75 hours in theatre and related fields).

Requirements for the Bachelor of Arts in Theatre Major:

Theatre 103, 107 or 109, 111, 190, 213, 303, 304, 481; four courses selected from Theatre 106, 206, 307, 308, 310, 311, 313, 314; Communication 201 or 202, and 217.

Theatre Required Courses 18 to 19 Hours

THEA103 <input type="checkbox"/>	THEA107 or 109 <input type="checkbox"/>	THEA213 <input type="checkbox"/>
THEA 111 <input type="checkbox"/>	THEA190 <input type="checkbox"/>	THEA213 <input type="checkbox"/>
THEA303 <input type="checkbox"/>	THEA304 <input type="checkbox"/>	

Theatre Elective Courses

Any four of the following 12 Hours

THEA106 <input type="checkbox"/>	THEA206 <input type="checkbox"/>	THEA307 <input type="checkbox"/>
THEA308 <input type="checkbox"/>	THEA310 <input type="checkbox"/>	THEA311 <input type="checkbox"/>
THEA313 <input type="checkbox"/>	THEA314 <input type="checkbox"/>	

Communication Courses 6 Hours

COMM 201 or 202 <input type="checkbox"/>	COMM 217 <input type="checkbox"/>
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Senior Capstone 3 Hours

THEA481 <input type="checkbox"/>

Total 39 to 40 Hours

Requirements of the Bachelor of Fine Arts in Musical Theatre Major. The BFA in Musical Theatre requires a total of 79 hours of coursework in theatre and related fields: Theatre 103, 106, 107, 109, 111, 206, 266, 303, 304, 314, 354, 397, 481; two courses from Theatre 307, 308, 310, 311, 313, English 350; Music 111, 111L, 112, 112L, 211, 211L, 332; 8 hours from Music 151, 251, 351, 451; 6 hours from Music 161, 162, 163, 164, 165, 166, 167, 168, 169; Dance 101, 102, 103, 104, 105, 106; keyboard competency; participation in productions.

Theatre Required Courses	44 Hours
Acting Courses	14 Hours
THEA106 <input type="checkbox"/> THEA206 <input type="checkbox"/> THEA266 <input type="checkbox"/>	
THEA314 <input type="checkbox"/> THEA354 <input type="checkbox"/>	
Technical Theatre Courses	12 Hours
THEA103 <input type="checkbox"/> THEA107 <input type="checkbox"/> THEA109 <input type="checkbox"/>	
THEA 111 <input type="checkbox"/>	
Directing Courses	6 Hours
THEA303 <input type="checkbox"/> THEA304 <input type="checkbox"/>	
Dramatic Literature Courses	6 Hours
Any two of the following:	
THEA307 <input type="checkbox"/> THEA308 <input type="checkbox"/> THEA310 <input type="checkbox"/>	
THEA311 <input type="checkbox"/> THEA313 <input type="checkbox"/> ENGL 350 <input type="checkbox"/>	
Other Theatre Courses	6 Hours
THEA397 <input type="checkbox"/> THEA481 <input type="checkbox"/>	
Music Required Courses	26 Hours
MUSC 111 <input type="checkbox"/> MUSC 111L <input type="checkbox"/> MUSC 112 <input type="checkbox"/>	
MUSC 112L <input type="checkbox"/> MUSC 211 <input type="checkbox"/> MUSC 211L <input type="checkbox"/>	
MUSC 151 <input type="checkbox"/> MUSC 161-169 <input type="checkbox"/> MUSC 251 <input type="checkbox"/>	
MUSC 332 <input type="checkbox"/> MUSC 351 <input type="checkbox"/> MUSC 451 <input type="checkbox"/>	
Dance Required Courses	9 Hours
DANC 101 <input type="checkbox"/> DANC 102 <input type="checkbox"/> DANC 103 <input type="checkbox"/>	
DANC 104 <input type="checkbox"/> DANC 105 <input type="checkbox"/> DANC 106 <input type="checkbox"/>	
Keyboard Competency	
All students must fulfill a keyboard competency. Students may test out of this in their freshman year. Otherwise, they must take Music 141: Keyboard Skills I, Music 142: Keyboard Skills II, and Music 241: Keyboard Skills III. Students who still cannot pass the proficiency examination will be required to enroll in Music 152P: Applied Piano (1 hour) every semester until they pass the proficiency examination.	
Participation Requirement	
All students must audition for and accept roles in all musical productions and all play productions that make use of singing and/or dancing.	
Required General Education Courses and Electives	41 Hours
Students in the BFA in Musical Theatre program must complete all general education coursework required for a Marietta College degree.	
Total	120 Hours

Requirements for the Bachelor of Fine Arts in Theatre Degree. The BFA in Theatre requires a total of 75 hours of coursework in theatre and related fields: Theatre 103, 106, 107, 109, 111, 190, 206, 213, 266, 303, 304, 314, 354, 397, 481; 15 hours in dramatic literature courses; Communication 217; 15 hours in additional theatre and appropriate courses; plus participation in at least two productions each semester

Courses in Acting	14 Hours
THEA106 <input type="checkbox"/> THEA206 <input type="checkbox"/> THEA266 <input type="checkbox"/>	
THEA314 <input type="checkbox"/> THEA354 <input type="checkbox"/>	
Technical Theatre Courses	16 Hours
THEA103 <input type="checkbox"/> THEA107 <input type="checkbox"/> THEA109 <input type="checkbox"/>	
THEA 111 <input type="checkbox"/> THEA190 <input type="checkbox"/> THEA213 <input type="checkbox"/>	
Directing Courses	6 Hours
THEA303 <input type="checkbox"/> THEA304 <input type="checkbox"/>	
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 Director of Theatre. 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.	
Other Theatre Courses	6 Hours
THEA397 <input type="checkbox"/> THEA481 <input type="checkbox"/>	
Courses in Communication	3 Hours
COMM 217 <input type="checkbox"/>	
Electives	15 Hours
Students are encouraged to seek broadly for additional theatre courses and appropriate courses in a variety of fields as approved by the Director of Theatre to meet identified needs of specific students.	
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.	
Required General Education Courses and Electives	45 Hours
Students in the BFA in Theatre program must complete all general education coursework required for a Marietta College degree.	
Total	120 Hours
Requirements for a minor in Theatre Arts:	21 hours in Theatre Arts to include 9-12 hours in courses numbered below 300 (up to 3 hours of which may be 125 and/or 225) and 9-12 hours in courses numbered 300 or above.

Theatre Arts Courses**THEA103 Play Production: Stagecraft**

Theory and practice of scenery construction, lighting, and properties. Laboratory work on College productions.

Credit: 4 Hours.

THEA106 Acting I

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.

THEA107 Play Production: Lighting

Theory and practice in theatrical lighting; stagecraft, properties. Laboratory work on College productions.

Credit: 4 Hours.

THEA109 Play Production: Costuming

Theory and practice in designing and executing stage costumes and properties. Laboratory work on College productions.

Credit: 3 Hours.

THEA 111 Theatrical Makeup

Theory and practice in art of makeup for stage and television; laboratory work on college productions.

Credit: 1 Hour.

THEA125, 225 Acting Practicum

Credit for effective acting in public performances, determined by committee of Marietta College Theatre Arts 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.

THEA190 Introduction to Multimedia

Introduces students to the hardware and software in the Hermann Multimedia computer Lab. Topics to be covered include the most recent versions of Windows, PowerPoint, Adobe Photoshop, and Corel Draw. The course is taught in the format of four three-hour workshops, with tutorials between workshops, during the first four weeks of each semester. (Also listed as Communication 190.)

Credit: 1 Hour.

THEA206 Acting II

Focuses on technique for developing and communicating character. Analysis of text and the use of subtext and inner monologue are stressed.

Prerequisite: Theatre arts 106.

Credit: 3 Hours.

THEA213 Stage Design

Designing for stage presentation (theater or television) employing line, color, and mass to interpret author's concept to audience. Offered alternative years.

Prerequisite: Theatre Arts 103 or permission of instructor, Thea 190 or equivalent.

Credit: 3 Hours.

THEA266 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 permission of the instructor.

Credit: 2 Hours.

THEA291 Advanced Multimedia

Advanced uses of the hardware and software in the Hermann Multimedia Lab. Applications to be covered include the latest versions of PowerPoint, Cool Edit, Adobe Photoshop, the Corel Draw suite, and use of a digital camera. Taught by the tutorial method.

Prerequisite: Art/Communication/Theatre 190.

Credit: 3 Hours.

THEA303 Introduction to Play Directing

Theory and analysis of structure, elements, principles, types, and styles of drama from script to its realization on stage. Offered alternate years.

Credit: 3 Hours.

THEA304 Intermediate Play Directing

(Continuation of Theatre Arts 303.) Laboratory work in selecting, casting, blocking, and directing plays. Offered alternate years.

Prerequisite: Theatre Arts 303.

Credit: 3 Hours.

THEA307 World Dramatic Literature

Reading course in great world drama from Aeschylus to Ibsen. Offered alternate years.

Credit: 3 Hours.

THEA308 Modern European Drama

Reading course in European drama from Ibsen to Ionesco. Offered alternate years.

Credit: 3 Hours.

THEA310 American Drama

Reading course in America drama from beginnings to present. Offered alternate years.

Credit: 3 Hours.

THEA310 Contemporary Drama

Reading course in contemporary drama. Includes prepared oral reading in class. Offered alternate years.

Credit: 3 Hours.

THEA313 Asian Drama

Reading course in classic drama and traditional theatre forms of India, China, Southeast Asia, and Japan. Offered alternate years.

Credit: 3 Hours.

THEA314 Advanced Acting

Acting theory with laboratory work and practical experience.

Offered alternate years.

Prerequisite: Theatre Arts 106; open to sophomores by written permission.

Credit: 3 Hours.

THEA348 Scriptwriting

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.

Credit: 3 hours.

THEA354 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.

THEA397 Theatre Internship

It is expected that this internship will be a summer or other off-campus theatre experience approved in advance by the Director of Theatre. Credit can be taken either during the summer or during the following academic year upon completion of appropriate documentation.

Credit: 3 Hours.

THEA 397 has been approved as an Advanced Studies Course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section for details of the Advanced Studies requirement

THEA481 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.

THEA 481 has been approved as an Advanced Studies Course. See the UNDERGRADUATE DEGREES-GRADUATION REQUIREMENTS section for details of the Advanced Studies requirement.

Dance Courses**DANC 101 Ballet Technique I**

Introduction to ballet and the development of basic technical skills. Stress will be placed proper French vocabulary within the classical ballet tradition. Class meets 3 hours per week. Proper dance attire and shoes required.

Approval pending

Credit: 1.5 hrs.

DANC 102 Ballet Technique II

Continuation of ballet basic technical skills and vocabulary within the classical ballet tradition. Class meets 3 hours per week. Proper dance attire and shoes required. Prerequisite: Dance 102 or permission of the instructor.

Approval pending

Credit: 1.5 hrs.

DANC 103 Tap I

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. Class meets 3 hours per week. Proper shoes and dance attire required.

Approval pending

Credit: 1.5 hrs.

DANC 104 Tap II

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. Class meets 3 hours per week. Proper shoes and dance attire required. Prerequisite: Dance 103 or permission of the instructor.

Approval pending

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 placed on vocabulary, concepts, skills and artistry. Class meets 3 hours per week. Proper dance attire and shoes required.

Approval pending

Credit: 1.5 hrs.

DANC 106 Jazz/Modern II

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 permission of the instructor.

Approval pending

Credit: 1.5 hrs.

Curricular Options and Enhancements

Records Office, Registrar: Dr. Roger H. Pitasky (e-mail: records@marietta.edu)

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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's degree, e.g. B.A., and the other for a different Bachelor's 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.

Student-designed majors must have a minimum of 35 and a maximum of 60 credit hours. No more than two-thirds of these credit hours can be from an existing major, and the student must have completed no more than two-thirds of these credit hours before the major is approved.

When designing such a major, the student should write a rationale for the program of study, and consult with, and obtain approval from, all departments involved. A person, usually the student's academic advisor, should be selected as the faculty supervisor for the major. The rationale, curriculum of the major with a suit-

able title, signatures of department chairs indicating approval, and the name of the faculty supervisor must be submitted to the Records Office for distribution to the Provost and the Curriculum Committee for final approval.

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. (Note: 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.)

A minimum of six of the credit hours presented for graduation with a minor area must have been earned at Marietta College.

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 independent 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 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:

- 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, regional, and national repute. Some courses, like the Seminar in Leadership,

will be offered with the Leadership title (e.g. Leadership 101 or LEAD 101, Seminar in Leadership I). 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 either 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 Scholars Program for incoming freshmen and beginning second-year students, and
2. the Senior Honors program by which students earn Honors in a Discipline.

Students earn official recognition by completing either (1) or (2). Graduating with full College Honors requires completion of both (1) and (2) with a cumulative grade point average (GPA) of 3.30 or greater.

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 Scholars Program

A. Eligibility and Application:

1. Trustees' and President's Scholars, by invitation: Incoming Trustees' (at least 3.75 GPA with 1350 SAT or 30 ACT) and President's (at least 3.50 GPA with 1200 SAT or 27 ACT) Scholarship recipients are given a formal offer of admission into the Scholars Program upon acceptance of the offer of admission to the college.
2. Incoming freshmen, by application: Incoming freshmen are invited to apply on a competitive basis for admission to the Scholars Program

upon acceptance of the offer of admission to the college.

3. Current Marietta College freshmen, by application: Marietta College freshmen who will enter the sophomore year with fewer than 37 credit hours and a 3.50 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.
4. Incoming transfer students, by invitation or application: Transfer students entering Marietta College with fewer than 37 credit hours may be eligible under (1), (2), or (3) above. Inquire to the Admissions Office or the Honors Program Director.

B. Program Requirements:

1. The course work of the Scholars 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 Scholars Program, students must maintain an overall GPA of 3.30 (3.00 for second semester freshmen only).
3. Continuity: To continue in the Scholars Program, all four semesters of required coursework must be taken consecutively.

II. The Senior Honors Program

Regardless of whether a student is a College Scholar, the second part of the Honors Program allows seniors with GPAs of 3.30 in the discipline and 3.00 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 member 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 during the next-to-last semester before graduation. 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 Dawes Library.

III. Graduation with College Honors

Students who complete the Scholars and Senior Honors Programs with a final overall GPA of 3.30 or greater will graduate with College Honors.

For more information, contact:

Dr. Carolyn Hares-Stryker
 Director, The Honors Program
 Thomas Hall - Room 307
 Marietta College
 215 Fifth Street
 Marietta, OH 45750
 e-mail: harestrc@marietta.edu

The Investigative Studies Program

Launched in 1998, 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 spe-

cial 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 Grants

The I.S. Summer Grant program currently offers qualifying students a \$1,500 grant plus free on-campus housing for six weeks in May and June. These students pursue their research and creative projects under the close mentoring of Marietta College faculty sponsors.

Investigative Studies Travel Grants

The I.S. Travel Grant program provides financial assistance for any undergraduate in any discipline with a G.P.A. of at least 3.00 to travel to present research at a national or regional conference. The awards are competitive and require sponsorship by a faculty mentor.

For more information, contact:

Dr. Jacqueline Khorassani
 Director, Investigative Studies Program
 Thomas Hall - Room 104
 Marietta College
 215 Fifth Street
 Marietta, OH 45750
 (740) 376-4621
 e-mail: khorassj@marietta.edu

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 with special permission from the Provost the student may apply for international study during other years.

Programs are available for full-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 11 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. Students who complete an approved term abroad will be able to use their study abroad credits to fulfill two of the four humanities

distribution requirements.

To be eligible to participate, a student must:

1. have completed 24 semester hours of academic work;
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 Study Abroad program, the student should consult with both the Study Abroad advisor 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 a Study Abroad 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 Study Abroad Application/Approval Form is November 1 for the following spring and March 1 for the following summer or fall. There is a \$126 administrative fee for each term spent off-campus.

Affiliates

Marietta College is affiliated with the East Central Colleges Consortium, 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 Colleges 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; and The University of Karlstad, in Karlstad, Sweden.

Central College in Pella, Iowa, operates centers in Paris, France; Vienna, Austria; Granada, Spain; London and Colchester, England; Merida, Mexico; Leiden, The Netherlands; and Camarthen, Wales. Students interested in the Central College program should have appropriate language study before going to Spain, Austria, or France. Provision is made at the Paris center for students with lit-

tle or no college French.

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; Berlin and Freiburg, Germany; Madrid and Salamanca, Spain; Dijon, Nantes, and Paris, France; Milan, Italy; Nagoya and Tokyo, Japan; Singapore, Bangkok, and Yogyakarta in southeast Asia; Beijing, China; Vienna, Austria; Adelaide, Australia; LoPlata, Argentina; and Dublin, Ireland. 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, Australia 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

Leadership Studies Abroad

The Global Leadership Studies 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.

Exchange agreements with The International Relations University and the Foreign Affairs College, both located in Beijing, provide opportunities for students to spend a semester or year studying at these institutions. 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

Brazil Program

The opportunity exists for students to assist in the teaching of conversational English in the private Piracicaba High School (Colégio Piracicabano), Piracicaba, São Paulo State, Brazil. The high 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

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.

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 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 \$126 administrative fee for each semester spent off campus.

Marietta College considers the Washington Semester Program at American University an extension of its campus and transfers grades earned including quality points.

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. Jacqueline DeLaat,
Professor of Political Science
Thomas Hall - Room 315
Marietta College
215 Fifth Street
Marietta, OH 45750
(740) 376-4660
e-mail: delaatj@marietta.edu

Preprofessional Programs

Binary Curriculum in Engineering

Marietta College has entered into cooperative agreements with Ohio University, Case Western Reserve University, Columbia University, and the University of Pennsylvania 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, Columbia, or Pennsylvania. 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 and with the University of Pennsylvania 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 professional career through a wider acquaintance with the humanities and social sciences.

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:

1. two semesters of basic physics;
2. two semesters of general chemistry;
3. three semesters of calculus;
4. one course in differential equations;
5. one course in computer science;
6. courses in the social sciences, arts, and humanities.

7. 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. W. David Cress
Engineering Binary advisor
Brown Hall - Room 201
Marietta College
215 Fifth Street
Marietta, OH 45750
e-mail: cressd@marietta.edu

Provisional Teaching License

Marietta College is accredited by the State of Ohio Department of Education. Students satisfactorily completing the required courses will, subject to the approval of the State of Ohio and Marietta's Department of Education, be eligible for early childhood, middle childhood, or adolescent/young adult provisional licenses. A reading endorsement program is also available.

If possible, all students planning to seek teaching licenses should enter the license program 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
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. The Association of American Law Schools states that 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 creative power in thinking. 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. Therefore, the special Alumni Pre-Law Advisory Committee assists pre-law students in choosing a major program that fits his or her interests, abilities, and career plans. Through the Pre-Law Student Club, the Alumni Pre-Law Advisory Committee sponsors special events such as trips to local law schools; public forums dealing with issues of law; and, when interest allows, a trip to Washington, D.C., over the fall break.

For more information on the Pre-Law program, contact:

Dr. Daniel Huck
Assistant Professor of Leadership
McDonough Center
Marietta College
215 Fifth Street
Marietta, OH 45750
e-mail: huckd@marietta.edu

Pre-medical 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 and pre-veterinary students at Marietta major in biology, chemistry, or biochemistry, 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, nearly all medical schools require the following:

- one year of biology;
- two years of chemistry including a year of organic chemistry;
- one year of physics, and;
- one year of mathematics including some calculus.

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 careful 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. Besides information about medical, dental, and veterinary schools, the Committee also collects information about other health-related fields, such as pharmacy, medical technology, and physician assistants.

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 and pre-nursing students. A similar, but less formal program exists for pre-dental students.

For more information, contact:

Dr. Peter Hogan,
Professor of Biology
Bartlett Biology Building - Room 104
Marietta College
215 Fifth Street
Marietta, OH 45750
e-mail: hoganp@marietta.edu

or

Dr. Robert Walker,
Professor of Chemistry
Selby Chemistry Building - Room 308
Marietta College
215 Fifth Street
Marietta, OH 45750
e-mail: walkerr@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. 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 Accounting

The Economics, Management, and Accounting Department offers a Certificate in Accounting. The certificate may be pursued concurrently with any degree program but is aimed primarily at individuals who already possess an undergraduate degree and now wish to develop a documented proficiency in accounting. The series of accounting and related courses in the certificate provides a broad foundation for entry-level employment in the accounting field.

When coupled with an undergraduate degree in any field, the Accounting Certificate meets the requirements for sitting for the Uniform Certified Public Accountant examination and licensing as a CPA in most states with a 150-hour education requirement. Requirements vary slightly from state to state and students should consult their State Board of Accountancy and the Economics, Management, and Accounting department chair.

Requirements for the Certificate in Accounting are Accounting 201, 202, 301, 302, 303, 320, 410, 420, and six additional hours in accounting; Management 220, 301, 320, 381, 415; Economics 211, 212; Mathematics 123; Leadership 305; English 406; Computer Science 105.

The McDonough Center for Leadership and Business offers three certificate programs.

Certificate in Leadership Studies

Requirements for the certificate are Leadership 101, 103, 201, 203; one three-hour leadership-designated course; plus 50 hours of approved community service for two years.

Leaders in Action Certificate

Students of sophomore or junior status, with a cumulative grade point average of 2.00 or greater and demonstrated ability to succeed in the program, are eligible for selection. Leaders in Action participants develop leadership skills through the following academic and extracurricular activities:

1. Week-long Leadership Orientation.
2. Leadership 221, which teaches skill-based facilitation techniques and focuses on issues of personal and interpersonal development.
3. A leadership elective course of the student's choice.
4. Skill practice through the creation of a community service project either on or off the campus.
5. 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 Entrepreneurial Studies

Requirements for the certificate are Management 251, 252, Leadership 307, and either Management 451 or Leadership 497 (internship).

Certificate for Microcomputer Systems Specialist

Requirements for the certificate are Computer Science 105, 115, 150 (all three sections), 250, 260, and 270; Management 220; plus one three-hour elective chosen with the approval of the department.

This program of courses is primarily for Continuing Education students, but regular day students will be allowed to take classes on a space-available basis.

Certificate in Oral Communication

Requirements for the certificate are Communication 101; 12 hours chosen from Communication 201, 202, 205, 209, 301, or 420, and Theatre 106, 314, and 304 with a grade point average of 2.50 or better, and a short public performance arranged by the department.

Students who also participate in co-curricular speech events may receive the Certificate with Distinction.

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 320 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 Writing

Requirements for the certificate are 12 hours chosen from English 201, 301, 302, 304, 305, 306, 310, 406, and 495. Certificate guidelines should be acquired from the English Department.

Undergraduate Degrees - Graduation Requirements

Records Office, Registrar: Dr. Roger H. Pitasky (e-mail: records@marietta.edu)

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Marietta College offers programs leading to undergraduate (bachelor) degrees and graduate (master) 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.

Undergraduate degree requirements

To receive a bachelor's degree from Marietta College the following requirements must all be satisfied:

1. The Credit Requirement
2. The First Year Program
3. The Distribution Requirement
4. The Global/Multicultural Requirement
5. The Advanced Studies Requirement
6. The Upper-level Courses Requirement
7. The Major Requirement
8. The Grade Point Requirements
 - Overall
 - Major
9. The Residency Requirement
10. 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 for the degree program in which s/he is enrolled.

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, Petroleum Engineering (B.S.P.E) 138 hours
- Bachelor of Science, Sports Medicine (B.S.) 134 hours

Credit hours for courses numbered less than 100 are excluded from the calculation. 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 musical theatre, petroleum engineering, sports medicine, and theatre. Students should refer to the appropriate departments in the UNDERGRADUATE PROGRAMS OF INSTRUCTION section of the Catalog.

2. The First Year Program

The four components of the First Year Program are:

- **The First Year Seminar** (FYSE 101), or Honors College Experience Seminar (HONR 101) for students enrolled in the College’s Scholar Program. FYSE 101 is a 3 credit hour course, is graded using the standard letter grade system, and may not be repeated.

Rationale: 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 students who took college-level courses while they were enrolled in high school.

- **The College Life and Leadership Laboratory** (FYSE 102). FYSE 102 is a 1 credit hour course, is graded Pass/Fail (P/F) and may not be repeated.

Rationale: 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 transfer students: Students transferring from other colleges with 25 or more semester credits are exempt from this requirement. The exemption does not apply to students who took college-level courses while they were enrolled in high school.

- **Communication.** All students must pass both of the following courses with a grade of “C-” or better.

English Composition (ENGL 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.)

Rationale: 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 and either course can be taken first. Students with low ACT or SAT verbal scores will be required to enroll in and pass ENGL 060 before taking ENGL 101 or COMM 101, and thus may require three semesters to complete the communications requirement.

- **Mathematics.** A student can satisfy this requirement by either passing a mathematics course numbered 100 or higher, or by achieving a set score on a mathematics competency test administered by the Department of Mathematics. (See “Alternative means of satisfying mathematics requirement” section below.)

Rationale: Mathematics is one of the traditional liberal arts subjects and is therefore an integral part of the liberal arts foundation. Furthermore, responsible citizens must be able to take part in decision making within their community, nation, and world. Informed decisions require an ability to understand and interpret quantitative data. Moreover, the ability to interpret quantitative data is a foundation for many careers.

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 numbered 100 and above. 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 of Mathematics.

3. The Distribution Requirement.

Each student is required to pass courses distributed across the College’s four academic divisions:

- four 3-4 hour courses in the humanities, **H**
- two 3-4 hour courses in the fine arts, **F**
- two 3-4 hour courses in the social sciences, **S**
- two 4 hour laboratory courses in the natural sciences, **N**

The qualifying courses are designated “**H**”, “**F**”, “**S**”, “**N**” in the course listings distributed each semester by the Registrar’s Office for use when registering for the next semester’s courses. A course may satisfy no more than two of the requirements numbered 3, 4, and 5 but may additionally form part of a student’s major or minor.

Rationale: A liberal arts education should provide students with the opportunity to gain familiarity with a broad range of ideas and content. Choosing from a variety of courses in the traditional liberal arts fields allows the student and the academic advisor the freedom to craft an integrated interdisciplinary program of study that takes advantage of the liberal arts as a preparation for a major. The distribution requirement draws upon the humanities, fine arts, natural sciences, and social sciences to provide a foundation in the varieties of methods of inquiry that characterize the liberal arts disciplines.

4. The Global/Multicultural Requirement.

A student can satisfy this requirement by passing

- two global/multicultural courses (six credit hours) designated “**G**” in the course listings distributed each semester by the Registrar’s Office for use when registering for the next semester’s courses.

Students for whom the United States of America is not their country of residence may satisfy this requirement by selecting courses, with the approval of their academic advisor, which will achieve the objective of the Global/Multicultural requirement, namely an increase in the awareness of another culture, even though the courses are not designated “**G**”. For all students, a course may satisfy no more than two of the requirements numbered 3, 4, and 5 but may additionally form part of a student’s major or minor.

Rationale: The College’s mission statement and core values affirm the importance of a global perspective in the 21st century. In order to thrive in a global/multicultural environment and to become responsible citizens of their country and the world, students must prepare for the world beyond undergraduate college by understanding a culture other than their own. Culture is defined as (1) the abstract ideas that influence people – their knowl-

edge and beliefs, their norms and their values, their signs and language, and (2) the tangible objects that reflect those ideas. Students need to understand peoples and issues beyond the borders of their native land as well as those who are culturally and/or ethnically different from them.

5. The Advanced Studies Requirement.

During either the student’s junior or senior year, a student must pass at least

- one Advanced Studies course from the courses designated “**V**” in the course listings distributed each semester by the Registrar’s Office for use when registering for the next semester’s courses.

The course(s) taken need not be in the department of the student’s major, but some departments may want to designate specific “**V**” courses as a requirement for the major. (Credit hours may vary among the “**V**” courses.) A course may satisfy no more than two of the requirements numbered 3, 4, and 5 but may additionally form part of a student’s major or minor.

Courses which have currently been approved as satisfying the Advanced Studies Requirement are shown in *italics* in the UNDERGRADUATE PROGRAMS OF INSTRUCTION section of the Catalog. Currently, approved “**V**” courses are:

ACCT 397 Internship in Accounting
ACCT 497 Internship in Accounting
ART 487 Senior Studio Seminar
ART 488 Senior Show Seminar
COMM 481 Research Methods
COMM 430 Instructional Development and Training in Communication
COMM 497 Internship in Communication
ECON 421 Applied Econometrics
EDUC 460 Student Teaching – Early Childhood
EDUC 470 Student Teaching – Middle Childhood
EDUC 480 Student Teaching – Adolescent Young Adult
ENGL 410 Senior Seminar
FREN 401 Study Abroad
HIST 402 Senior Capstone
MATH 351 Advanced Calculus
MATH 353 Modern Algebra
MNGT 397 Internship in Management
MNGT 451 Business Consulting
MNGT 453 Business Policies and Practices
MNGT 497 Internship in Management
MUSC 485 Senior Capstone
PETR 430 Senior Capstone Design Seminar

PHIL 445 Contemporary Philosophy
 PHYS 491, 2 Physics Research I, II
 PSYC 481 Supervised Clinical Practicum I
 PSYC 482 Supervised Clinical Practicum II
 PSYC 491 Psychology Research I
 PSYC 492 Psychology Research II
 POLS 397 Internship in Political Science
 SPAN 401 Study Abroad
 SPTM 485 Research and Design I
 SPTM 486 Research and Design II
 THEA397 Internship in Theatre
 THEA481 Research Methods

Rationale: This requirement integrates theoretical knowledge with the application of that knowledge to the world beyond the classroom. The liberal arts preparation in critical thinking, problem solving, information gathering, and communication skills is brought to bear on applications that are relevant to further academic or professional work in graduate school, professional school, or the workplace. Furthermore, this requirement has students not only apply knowledge but also reflect upon the interface of knowledge and experience. The following types of courses have been identified as meeting this requirement:

- *Directed research*
- *Supervised and structured internship*
- *Research or design-oriented senior course or seminar*
- *Preparation of honors thesis*
- *Supervised and structured study abroad*

6. The Upper-level Courses Requirement.

- Every student must pass at least 30 credit hours of courses numbered 300 or above.

7. 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 students enrolled in the Continuing Education Program. (See the CONTINUING EDUCATION section of the Catalog for more details.)

8. 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.

- Overall. Each student must earn at least an overall 2.000 grade point average in his/her degree.
- Major. Each student must earn at least a 2.000 grade average in his/her major. A higher grade point average is required for certain programs, i.e. Education (Licensure Program) and Sports Medicine (Athletic Training Program). The student should refer the UNDERGRADUATE PROGRAMS OF INSTRUCTION section for specific grade requirements for these programs.

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 the "Academic Warning, Probation, Dismissal" in the ACADEMIC POLICIES AND PRACTICES section of the Catalog.

9. The Residency Requirement.

The following must be completed in residence of Marietta College.

- No fewer than 36 of a student's last 43 hours
- No fewer than 18 hours in the discipline of the major.
- No fewer than 6 hours in a minor.

(A student studying abroad on a program approved by the College may treat the courses completed abroad as being "in residence" hours.)

10. 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 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 ENGL 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 and Theatre Arts. 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. Requirements of the First Year Program mandate that the Oral Communication Proficiency Examination must be taken during the first two semesters on campus.

Alternative means of satisfying mathematics requirement

A student may satisfy the mathematics requirement by achieving a set score on a mathematics competency test administered by the Mathematics Department. Information on the form, content, and time of the test can be obtained from the chair of the department.

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 restrictions attaching to each category:

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's degree.

Music, Ensemble: A total of eight credit hours of Ensemble courses (160 through 169) may be applied to satisfy the minimum credit hours required for the Bachelor's 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's degree. *Aerobic and Lifetime Activity* courses (PHED 101, 116, 117, 118, 119, 121, 150, and 210) may be used as part of the Health and Physical Education option. A maximum of two credit hours of *Varsity Sports* (lacrosse, football, soccer, basketball, baseball, volleyball, golf, tennis, softball, and crew) can be used as part of the Health and Physical Education option.

Communication and Theatre, 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's degree.

Communication and 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's 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 distribution 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. Roger H. Pitasky (e-mail: records@marietta.edu)

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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 Vice President for Student Life and Leadership, Andrews Hall.

Student records (i.e. grades, disciplinary action, health records, etc.) may be released to parents or legal guardians at the request 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 Vice President of Student Life and Leadership.

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 the Vice President for Student Life and Leadership for the necessary procedures.

Transcripts are available from the Records Office upon the written and signed request of the student. Transcript requests are processed in a timely manner in order of receipt. Students are advised to make such requests well in advance of need. No transcript will be issued for a student whose financial obligations to the College have not been satisfied (Business Office, Vice President for Student Life and Leadership, Library, etc.).

Two types of transcripts are available:

- *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. There is a \$3 charge for each official transcript.
- *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.

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 Vice President for Student Life and Leadership 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.

Under no circumstances may a faculty member 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 Regulations

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 and submit a signed and completed Record of Registration Form to the Records Office.

In order to be officially enrolled at Marietta College, each student must participate in Enrollment Day. During the Enrollment Day of each term, the students must correct errors concerning personal information (e.g., mailing address), academic degree, and course schedule.

Changing Courses

Students may change their course schedule after Enrollment Day through the Records Office by submitting the appropriate completed form. Students receiving financial aid or veterans benefits must meet with the appropriate official in Financial Services. 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.

Changing courses within the first two weeks of the semester.

To change courses, the student must obtain a *Course Add/Drop* form from the Records Office. This form allows students to add and drop courses from their schedule until the end of the second week of classes. To complete the form, the student must receive signatures from the chairperson of the department offering the course(s) to be added or dropped and the signature of his or her advisor. The 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 (FYSE 101), the College Life and Leadership Laboratory (FYSE 102), English 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, the department chair, 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 10th week of classes, a grade of W will be assigned and will appear on the student's transcript. If this is done after the 10th 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.

Special Rules for First-Year Courses

All first-year students will enroll in the First Year Seminar, FYSE 101 and the College Life and Leadership Laboratory, FYSE 102 during the fall semester. In addition, all first-year students must complete English Composition, ENGL 101 and Fundamentals of Oral Communication, COMM 101 with grades of C- or better. Students may not enroll in ENGL 101 and COMM 101 during the same semester. Students may not withdraw from the First Year Seminar, FYSE 101, the College Life and Leadership Laboratory, FYSE 102, English Composition, ENGL 101 or Fundamentals of Oral Communication, COMM 101. Any exception to this policy can be made only by the Director of the First Year Program for FYSE 101 and 102, the chair of the Department of English for ENGL 101, and the chair of the Department of Communication and Theatre Arts for COMM 101.

Grades

Grading system

1. 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; **S**, Satisfactory; **W**, Withdrawn; **WF**, Withdrawn failing = 0.00; **X**, Registered, but unevaluated at midterm; **Au**, Audit; **Lab**, grade and credit included in lecture.

2. 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.

3. A **Pass** grade (P) applies only to the College Life and Leadership Laboratory (FYSE 102). Pass means the equivalent of at least D- work. FYSE 102 work not achieving 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.

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.

A student who receives F in a course must repeat the course to receive credit.

5. **Withdrawn** (W) is an unevaluated grade given for withdrawal:

- (a) for medical or other extenuating circumstances at any time during the semester;
- (b) at the option of the student until the end of the 10th 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 drop a course after the 10th 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 D or F would be graded as **Unsatisfactory**.

Courses taken under the S/U option 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 or F is received may be repeated only under the regular 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/drop period at the beginning of the semester (first two weeks of class). After this time, the decision is irreversible.

10. 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 grading system. 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. Credit for the course will be given only once. 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 after the first day of the semester but before the end of the tenth week of the semester.

2. The grade of "F" will be recorded for each course for which a student was registered if the student withdraws from the College after the tenth week of a semester. Under certain circumstances, such as family catastrophe or substantiated medical problems, grades of "W" may be recorded after the tenth 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 or minor 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 second 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 two-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 10-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 second 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.

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.

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, 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. Some departments require an AP exam score

of 4 for advanced placement with credit; some require a score of 3 (note: a score of 4 is required for advanced placement with credit for ENGL 101). Scores of 2 may be considered for waiver of prerequisites with departmental approval. With appropriate scores, students may receive up to 8 semester hours credit. Students should check with the Records Office regarding appropriate scores for advanced placement with credit.

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 Records Office.

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 Records Office 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 academic 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 to notify the Records Office 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 Seminar (FYSE 101) 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 Admissions Office 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 Admissions Office will consult with the chair of the relevant department before assigning an academic advisor.

Graduate Students

Graduate students will meet with the director of their program, or his or her representative, to select courses and check towards completion of their degrees.

Academic Standing

Student 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's degree is 15 to 18 hours. This load typically allows students to complete the Bachelor's 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 courses are open to students of 24 years of age or older. Detailed information concerning this classification may be obtained from the office of Graduate Programs and Continuing Education.

Classification

A candidate for a Bachelor's 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 Warning, Probation, Dismissal

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 cumulative grade point average falls below 2.00. Academic warning is used to alert students to potential problems with unsatisfactory academic progress.

A student will be placed on academic probation if the student's GPA falls below the following minima:

Credit hours attempted	Minimum GPA
24 hours or less	1.6
25-58 hours	1.8
59 hours or more	2.0

A student on academic probation may enroll in no more than 16 credit hours each semester.

Upon their placement on academic warning or academic probation, students will receive a letter from the Academic Resource Center identifying strategies to improve their academic performance.

Should a student's cumulative GPA 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 their performance drops significantly below the minima stated above.

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 from 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 Policy

A student who has completed at least one semester of work in residence at Marietta College may apply for any of the following types of leave of absence. 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 of leave that a student may accumulate.

1. Academic Leave is 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 is intended for students who wish to take time away from Marietta College to pursue primarily nonacademic 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 is intended for students who need to take time away from Marietta College for health reasons.
4. Withdrawal is intended for students who do not plan to return to Marietta College.

Applying for Leave

To apply for leave, the student must get a Leave of Absence form from the Office of the Vice President for Student Life and Leadership, have it signed by the appropriate person(s) and return the form to the Records Office no later than the last day of the final examination period of the semester before the leave is to take effect. The form must be signed by the student's advisor. If the student is receiving financial aid, the student must also get the signature of the Director of Student Financial Services. For a medical leave of absence, the student must also get the signature of the Vice President for Student Life and Leadership.

Returning from Leave

Each student on academic or personal leave must notify the Registrar in writing of his or her intention to return to campus no later than one month before the start of the semester so that arrangements for pre-registration may be made. A student on medical leave must apply for return by submitting a letter from his or her supervising health professional to the Vice President for Student Life and Leadership. The letter must be submitted no later than one month before the beginning of the semester in

which the student wishes to return. A student who does not return at the end of his or her semester of leave and who does not officially extend that leave to a second semester will be considered to have withdrawn from Marietta College. A student who withdraws and then decides he or she wishes to return to Marietta College must reapply for admission through the Registrar's Office.

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.

Students dismissed or suspended for social conduct penalties during the semester may receive a grade of Withdraw Failing or "WF."

Please note that the residency requirement supersedes all rules concerning leave of absence.

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 3.00 to 3.49 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 3.50 or higher in a given semester is recognized as a Dean's High Honors List student for that semester.

Freshman and Sophomore Scholars

To encourage and recognize outstanding academic achievement by freshman and sophomore students, the College has established a Freshman Scholars designation and a Sophomore Scholars designation. First-year students who complete at least 15 semester hours during their first semester and achieve a 3.50 grade point average or higher at the end of their first semester qualify as Freshman Scholars. Second-year students who complete at least 45 semester hours during their first three semesters

and achieve a cumulative grade point average of 3.50 or higher at the end of their third semester qualify as Sophomore Scholars.

Scholars are honored at the Honors convocation in April, at which time they are presented certificates acknowledging their achievement.

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 3.90 and 4.00
- ***Magna cum laude:*** a cumulative grade point average between 3.75 and 3.899
- ***Cum laude:*** a cumulative grade point average between 3.50 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.

Certificates with Distinction

A student earning a certificate in Accounting or Microcomputer Systems Specialist with a grade point average of 3.50 or higher will receive the certificate "with distinction."

The Certificate in Oral Communication will be awarded "with distinction" to students who have completed the requirements for the certificate and have additionally compiled a "significant record of accomplishment in co-curricular activities." This record would be defined as at least three semesters of active involvement in one or more performance-oriented activities, as verified by the coach or director of that activity.

A student earning a Certificate in Writing will receive the certificate "with distinction" upon the recommendation of the chairperson of the Department of English.

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 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 morning 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: Ms. Marke M. Vickers (vickersm@marietta.edu)

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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 and the CONTINUING EDUCATION sections 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, a member of the admission staff would like to 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 International Students

Applicants who are citizens of other countries must file an *International Application for Admission* form, together with

1. Results of the *Test of English as a Foreign Language* (TOEFL). The applicant should score 550 or greater on the paper-based TOEFL (213 or higher on the computer-based TOEFL) for admission. The *Bulletin of Information* on this test may be obtained by writing to:

Test of English as a Foreign Language
 Educational Testing Service, Box 899
 Princeton, NJ 08540
 USA

In order to ensure proper placement in courses, the College will assess students' English language proficiency when they arrive. If necessary, students will be enrolled in an appropriate level of an 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.

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, a completed Transfer Recommendation, and a Transfer Clearance form. 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

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College Entrance Examination Board (CEEB)

Advanced Placement (AP) Program

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Life Experience Credit

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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 Vice President for Student Life and Leadership 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.

Undergraduate Tuition, Fees, and Financial Aid

Office of Vice-President for Administration and Finance
Student Accounts Coordinator: Ms. Linda L. Marshall (e-mail: mobil@marietta.edu)
Office of Student Financial Services
Director: Mr. James T. Begany (e-mail: finaid@marietta.edu)

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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 and CONTINUING EDUCATION sections of the Catalog for fees appertaining to those programs.

**Table of Fees, 2002-2003
(Undergraduate)**

Tuition, Room, Board and Fees			Special tuition fees		
For College Year, August 2002-May 2003					
Tuition (Bachelors degrees)	\$19,762	(note 1)	Per hour in excess of 18 hours		\$551 (note 4)
Room (average double)	3,084		Per hour for less than 12 hours		656
Board	2,690		Private music lessons:		
Student fee	350	(note 2)	One half hour per week		174
Health fee	72	(note 3)	One hour per week		248
Total for year	<u>\$25,958</u>		Life activity courses:		
			Golf		15
			Bowling, per class		3
			Orienteering/Hiking		10
			Rowing		10
			Auditing per hour		142
			Student teaching		137
			Off-campus study fee		126

Special residence hall fees

Single room rate 50% above regular room charge
 Accommodation in The New Residence Hall 50%
 above regular room charge
 Residence hall damage deposit \$100 (note 5)

Other fees

Application for admission fee	\$25
Late payment fee	145 (note 6)
Pre-registration deposit	200 (note 7)
Admission deposit	200 (note 8)
New student orientation fee	200
Student insurance (optional)	120

Note 1. ESLProvision. Students enrolled in either ESL101 or 102 (English as a Second Language courses) will receive a discount equal to one-half of the pro-rata tuition rate for the number of credit hours enrolled in either of these courses. The pro-rata tuition is determined by dividing the full time tuition per semester of \$9,881 by the total number of credit hours taken by the student for the semester in which either ESL 101 or 102 is taken.

Note 2. The **Student Fee** includes a Recreation Fee for the enhanced recreation program made possible by the opening of the Recreation Center. The Center will be available at the beginning of the second semester in 2002-03 and Student Fee will in fact be billed at a rate of \$125 for the Fall semester and \$225 for the second semester.

Note 3. The **Health Fee** will cover service at the Broughton Health Center, located across 7th Street from the residence halls.

Note 4. The **Per-Hour Fee** will not apply to first-semester students majoring in petroleum engineering. The first semester in that program requires that students enroll for 19 credit hours.

Note 5. Residence Hall Deposit. All students living in College housing pay a damage deposit of \$100 when they enter Marietta College for the first time or reenter following a break in matriculation. The College refunds the residence hall deposit, less any charges for damage, following graduation or formal withdrawal.

Note 6. 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 \$145.

Note 7. 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 30, 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 8. 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 \$145. 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.

Payments should be made 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 \$85 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 For Withdrawals

The College may provide a partial refund only when the student receives written consent to withdraw or take a leave of absence from the Vice President for Student Life and Leadership and the withdrawal or leave of absence takes place during the first five weeks of classes for the semester.

The date of withdrawal or leave of absence 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 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 100 percent refund of tuition and general fees. Students with a psychological disability will receive a 60 percent refund. A qualified physician must certify the disability. Without this insurance, a student could lose a significant investment in tuition and fees. 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, and mails information about this insurance to each student before registration.

For more information on insurance, contact:

Office of the Vice President for
Administration and Finance
Marietta College
215 Fifth Street
Marietta, OH 45750

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.

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
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 **Ohio Student Choice Grant (OSCG)** is a state program providing grants to Ohio residents attending eligible Ohio private colleges and universities. The student must maintain full-time enrollment and must not have matriculated in a post-secondary institution on or before July 1, 1984.

The **Ohio Instructional Grant (OIG)** is a state program providing grants to eligible Ohio residents enrolled as full-time undergraduate students. To be eligible, the family's income must be less than \$39,000.

The **Ohio Academic Scholars Program** is a state program providing one scholarship to a graduate of each Ohio high school. Students, selected by the Ohio Board of Regents, receive \$2,000 from the state for each of four years as long as they are continually enrolled and make satisfactory academic progress.

b. Marietta College Programs

The scholarships listed below are awarded to first-

time freshmen on the basis of academic course work in their freshman through junior years of high school and on standardized test scores (SAT and ACT). Consideration is automatic and requires no additional application, although an interview is required to secure the scholarship.

The **Trustees' Scholarship** provides an award of \$12,000 annually for up to four years of study at Marietta College. To be eligible for this award, a student must have at least a 3.75 grade point average (on a 4.00 scale) for academic course work, and have a minimum combined score of 1350 on the SAT or a minimum composite score of 30 on the ACT.

The **President's Scholarship** provides an award of \$8,000 annually for up to four years of study at Marietta College. To be eligible for this award, a student must have at least a 3.50 grade point average (on a 4.00 scale) for academic course work, and have a minimum combined score of 1200 on the SAT or a minimum composite score of 27 on the ACT.

The **Dean's Scholarship** provides an award of \$5,000 annually for up to four years of study at Marietta College. To be eligible for this award, a student must have at least a 3.25 grade point average (on a 4.00 scale) for academic course work, and have a minimum combined score of 1150 on the SAT or a minimum composite score of 25 on the ACT.

To be considered for these scholarships, a prospective student must complete all admission application information by March 1, prior to his or her freshman year of college.

Renewal of a Trustees' Scholarship is contingent upon the student's maintenance of continuous, full-time enrollment at Marietta and a 3.25 grade point average on a 4.00 scale. Renewal of a President's or Dean's scholarship is contingent upon the student's maintenance of continuous, full-time enrollment at Marietta and a 3.00 grade point average on a 4.00 scale. Maintenance of the required grade point average is reviewed at the end of each academic year.

Students qualifying for need-based assistance will receive a Financial Aid Award including 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 **Academic Accomplishment 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 \$3,500 and is renewable provided the scholar maintains a 2.5 cumulative grade point average.

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 returning students.

The **Legacy Grant** is awarded to children and grandchildren of Marietta College graduates. The award is for \$2,500 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 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 Loan 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 six months (nine months for those borrowing for the first time after August 1987) 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 Loan Programs

PPG Industries Foundation Loans were established in 1982 to provide low interest loans to needy and worthy students.

The **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 Economics, Management, and Accounting. 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 November from the student's secondary school guidance office 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 Petroleum Engineering	138	207
B.S. in Sports Medicine	134	201

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.

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 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.

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. Supplemental Educational Opportunity Grants,
9. Other Federal Title IV aid (excluding work-study) and

10. 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 Programs and Continuing Education, Director: Ms. Cathy J. Brown (brownnc@marietta.edu)

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Marietta College, through the Office of Graduate Programs and Continuing Education, offers programs leading to three master's degrees: Master of Arts in Education (M.A.Ed.), Master of Arts of Liberal Learning (M.A.L.L.), Master of Science in Physician Assistant Studies (M.S.P.A.S.)

The Degree of Master of Arts in Education (M.A.Ed.)

The Department of Education, Chair: Dr. Dorothy Erb (erbd@marietta.edu)

The Master of Arts in Education degree provides a broad-based liberal arts foundation with options for career enhancement in the field of education. Through this degree Marietta College helps teachers develop to their full potential as educational leaders and influence educational excellence.

The Master of Arts in Education is authorized by the Ohio Board of Regents and is accredited by the North Central Association of Colleges and Schools.

The graduation requirements for the M.A.Ed. degree are:

1. The Credit Requirement
2. The Core Requirement
3. The Practicum Requirement
4. The Portfolio Requirement
5. The Grade Point Requirement
6. The Residency Requirement
7. The Application Requirement
8. Accommodation of Transfer Courses

1. The Credit Requirement

Each student must complete at least thirty-three (33) credit hours of courses listed below for the M.A.Ed. Program

2. The Core Requirement

Each student must complete the following core courses: EDUC 600, 610, 620, 630, and 640. (15 credit hours). Descriptions are given below.

3. The Practicum Requirement

Each student must complete a practicum, EDUC 690, choosing between Option 1: Research Practicum, and Option 2: School Counseling Practicum. (3 credit hours). Descriptions are given below.

4. The Portfolio Requirement

Upon acceptance into the Master of Arts in Education degree program each student will open a portfolio. This portfolio consists of an ungraded copy of a written assignment for each course, a current Marietta College transcript, a degree plan, and a record of undergraduate degrees and grades. The student selects the written assignments to be placed in the portfolio. However, three specific rules apply to each portfolio submission:

1. if the submission is a report or paper, it must be at least 5 pages in length;
2. if the submission is a project or problem, it must demonstrate an application of skill or technique that is normally associated with the course; and
3. the instructor of the course must agree to the selec-

tion by the student and indicate this agreement by signing the paper. In a case where the instructor does not sign the paper, reasons why it was not signed must be given. The Chair of the Education Department will judge the merits of individually unsigned submissions.

The portfolio is designed to allow a degree candidate to demonstrate the growing ability to discern and analyze problems faced by the professional educator. Particular emphasis is on writing and critical thinking skills.

Upon completion of 15 hours of course work towards the degree, the portfolio is reviewed by two faculty members, one from the Education Department and a second chosen by the student from a department other than education. Upon the initial review, the two-member faculty committee discusses the progress towards the degree with the student. At this point the committee either:

1. develops a plan that allows the student the opportunity to remediate deficiencies found in the portfolio review; or
2. allows the student to advance toward the degree.

All courses taken for graduate credit at Marietta College and applied toward the Master of Arts in Education must have a portfolio submission. In cases where the student transfers credit from another institution, the portfolio submission for the transfer courses may be waived by the Chair of the Education Department.

5. The Grade Point Requirement

Marietta College uses a 4.0 grading system where A = 4 quality points, B = 3, etc. with +/-, so a B+, for example, = 3.33. (The grade A+ can be awarded but earns only 4 quality points.) Each student must earn an average grade point of 3.0 or better.

6. The Residency Requirement

At least twenty-seven (27) credit hours of M.A.Ed. courses must be graduate courses at Marietta College.

7. The Application Requirement

A student who has completed thirty (30) credit hours and has had the initial portfolio review, must make application to become a candidate for the M.A.Ed. degree

8. Accommodation of Transfer Courses

The Director of Graduate Programs and Continuing Education determines which courses will be accepted for graduate credit for the M.A.Ed. To be accepted for graduate credit, a transfer course must:

1. have been taken at a regionally accredited institution which has state approval to offer graduate courses;
2. be designated as a graduate course at that institution;
3. be similar to a course taught at Marietta College; and
4. have a grade of "B" or better.

No more than six hours of transfer credit will be accepted toward the M.A.Ed. degree requirements.

Graduate students enrolled in the Master of Arts in Liberal Learning (M.A.L.L.) degree program may petition of the Graduate Council to change their degree program to the M.A.Ed. program. The Graduate Council will review the petitioner's graduate courses at Marietta College to determine whether admission to the M.A.Ed. program will be granted.

The following general principles apply to those students desiring to change degree programs or transfer credit:

1. all hours transferred to the M.A.Ed. degree program must be consistent and fit the individual student's degree plan;
2. no more than six hours will be accepted from institutions other than Marietta College;
3. no more than nine hours may be transferred from the M.A.L.L. program;
4. in all cases no more than nine hours may be credited to the Master of Arts in Education degree; and
5. portfolio submissions may be waived for those graduate courses already taken at Marietta College or accepted as transfer credit.

Admission to the M.A.Ed. Program

Admission to the College as a graduate student is competitive and selective. Each applicant receives individual consideration, however. Students may receive admission to the M.A.Ed. Program without condition, with conditions, or as a non-degree student.

Application forms are available from:

The Director of the M.A.Ed. Program
Department of Education
Erwin Hall, Box 97
Marietta College
215 Fifth Street
Marietta, OH 45750
Tel: (740) 376-4794

Completed application material should be returned to the Director of the M.A.Ed. Program.

Application Procedure

To apply for admission to the M.A.Ed. Program, the applicant must submit the following:

1. Application for Admission;
2. Official transcripts of all college-level work, including any graduate work;
3. Two written recommendations attesting to the candidate's capacity to perform graduate-level work and demonstrating a commitment on the part of the candidate to complete the degree;
4. Official test scores of the Miller Analogies Test. (The test will be administered by the Department of Education and students should contact the Department for details); and
5. A non-refundable \$25 application fee.

Prospective students should be aware that they may enroll for up to 6 credit hours of course work prior to application for admission to the program.

Admission Without Condition

To be admitted to the M.A.Ed. Program without condition, the candidate must:

1. hold a Bachelor's degree from an accredited institution;
2. have a minimum grade point average of 2.75 in all undergraduate work;
3. have two written recommendations which attest to sufficient intellectual ability to pursue graduate work as well as to professional expertise; and
4. have received a minimum score of 40 on the Miller Analogies Test.

Admission With Conditions

For applicants who do not meet the qualifications to be admitted without condition, the Graduate Council may grant admission with conditions. Students granted admission with conditions may not enroll in more than 9 hours before meeting all the conditions set forth by the Graduate Council.

Non-Degree Students

A student who already holds a Master's degree or higher, or is enrolled and in good standing in a post-baccalaureate degree program at an accredited institution, may receive non-degree status. A non-degree student may complete up to 15 hours of graduate level work at Marietta College. If a non-degree student wishes to take more than 15 credit hours, he or she must:

1. be admitted without condition into the Marietta graduate program, or
2. petition the Graduate Council to grant a waiver.

Policies**Full-time Status**

A M.A.Ed. student is considered full-time when carrying a 12 credit hour load.

Probation

Academic probation and dismissal for M.A.Ed. students are determined on an individual basis by the Academic Standards Committee. Normally, M.A.Ed. students will be placed on academic probation if the cumulative grade point average falls below the 3.00 required for the degree. After being on probation, a student will have six semester hours to raise the grade point average to 3.00 or better.

Fees

The tuition fee for M.A.Ed. courses is \$321 per credit hour. See the GRADUATE PROGRAMS Financial Aid section for information on Withdrawal and Refund Policy, and also for information on Financial Aid and Standards of Satisfactory Academic Progress.

Course descriptions for the M.A.Ed. Program**EDUC 600 Pioneer Seminar**

Teacher as Leader. Introductory course in Master of Arts in Education program. Discussion of nature of leadership. Emphasizes differing views of leadership in educational context. Students complete a degree plan, offering an opportunity to formulate degree objectives and list activities and courses to meet those objectives.

Credit: 3 Hours.

EDUC 610 Schools and American Culture

Relationship between societal, cultural, and historical forces and emergence of the public school. Development of schooling in America from colonial period to present. Emphasizes political, religious, and industrial forces that shaped the public school. Examines multicultural and pluralistic trends and diverse populations.

Credit: 3 Hours.

EDUC 620 Ethics

Nature of ethical inquiry using selected major philosophers as its foundation. Students develop or use already developed case studies to explore ways of ethical thinking among counselors and in the field of education.

Credit: 3 Hours.

EDUC 630 Advanced Instructional Techniques

Development of knowledge base of effective classroom models and practices designed to improve student learning. Characteristics of selected, effective models studied and research evidence of effectiveness of those models analyzed. Teaching strategies and techniques for implementing one or more models in the classroom developed. Emphasizes impact of current technology on efficacy of models and practices. Students conduct project related to improving their classroom effectiveness.

Credit: 3 Hours.

EDUC 640 Research Methods in Education

Historical, descriptive, and experimental research examined in an ethical context of how these approaches constitute specific and varying philosophical and methodological conceptions of educational leadership and counseling. Study of quantitative and qualitative designs with parametric and nonparametric statistics. Students utilize the computer lab and software for data management and analysis.

Prerequisite: Course in statistics.

Credit: 3 Hours.

EDUC 650 Psychology of Human Development and Diversity

Theories of individual and family development and transitions across the life-spans, theories of learning and personality development; human behavior including an understanding of developmental crisis, disability, addictive behavior, psychopathology, and environmental factors as they affect both normal and abnormal behavior with strategies for development over the lifespan.

Credit: 3 Hours.

EDUC 651 Tests and Measurements

Information and skills needed to design, develop, analyze, and interpret tests. Study of reliability and validity, psychometric statistics, types of assessments, strategies for selecting, administering, interpreting, and reporting assessment instruments. Students develop skills necessary to use test results in planning, monitoring, and evaluating students in an ethical manner with respect to age, gender, ethnicity, language, disability and cultural differences.

Credit: 3 Hours.

EDUC 652 Introduction to Counseling

Overview of the counseling profession which includes history of the helping professions; professional roles, preparation standards, credentialing, and functions of counselors; introduction to ACA and other professional organizations and their ethical standards; development of skills and attitudes that counselors need to respond to personal needs of their students; relationship of counselors to other professionals; basic counseling techniques; working with community agencies, effecting public policy, and advocacy; and consulting with parents and other school personnel.

Credit: 3 Hours.

EDUC 653 Computers in Education

Relationships between computer technology, classroom management, and the teaching/learning process. Review of micro-computer hardware and software, compatibility problems, computer support for teacher tasks, computer simulation and modes of learning, and issues related to use of computers in education.

Prerequisite: Computer Science 105.

Credit: 3 Hours.

EDUC 654 Group Communications

Theory, research, principles, and practices of group dynamics, including characteristics of small groups, members' roles and behaviors, leadership styles, and various types of groups. Students study topics such as the group process, types of groups, organizing and leading groups, attitudinal and behavioral problems in groups, and methods of evaluating effectiveness of groups. Students lead small groups and analyze videotapes.

Credit: 3 Hours.

EDUC 655 Critical Thinking and Higher Cognitive Reasoning in Mathematics and Science

How students learn to develop and apply formal notations to problems in mathematics and science. Different models of cognitive development studied and applied. Emphasizes development of effective strategies for teaching formal problem solving. Course primarily for secondary teachers of mathematics and science.

Prerequisite: Understanding of science and calculus-level mathematics.

Credit: 3 Hours.

EDUC 656 Contemporary Theories of Learning

Survey of contemporary theories of learning and review of their application to practical settings. Lecture/ seminar format. Students read, analyze, and discuss original research publication.

Credit: 3 Hours.

EDUC 657 Structure and Syntax of Academic Disciplines

Structure of public schools curricula. Emphasizes what constitutes a discipline and how individual disciplines fit together to form an educational experience deemed appropriate for public school children.

Credit: 3 Hours.

EDUC 658 Human Resources

Leadership and Supervision Concepts and strategies in supervision with emphasis on human resources development. Analogies/application of leadership within field of education.

Credit: 3 Hours.

EDUC 659 Critical Thinking in Classroom

Theories and principles of critical thinking and learning styles. Specific training and practice in applying critical thinking in classroom. Course devoted to helping teachers create critical thinking in classroom through redesigning activities and assignments.

Credit: 3 Hours.

EDUC 661 Diagnosis and Correction of Reading Difficulties

Clinical and classroom aspects of reading difficulties. Emphasizes testing procedures, instructional materials, and teaching techniques.

Prerequisite: Education 321.

Credit: 3 Hours.

EDUC 662 Instructional Strategies for Reading

Successful instructional strategies for developmental reading. Alternative approaches to reading in pluralistic society, appraisal of materials and methods, and research-based reading instruction.

Prerequisite: Education 321.

Credit: 3 Hours.

EDUC 663 Reading Clinic

Experiences in reading supervision, test administration and interpretation, and strategic remedial instruction for master's level students.

Prerequisites: Education 661 and 662.

Credit: 4 Hours.

EDUC 671 Special Topics

Approved graduate and/or undergraduate academic course work in the student's teaching field or a supporting area.

Prerequisite: Advisor approval.

Credit: 3 to a maximum of 9 Hours.

EDUC 672 Directed Study

Examination of special areas of interest. Topic must relate to student's teaching field and be approved by director of graduate studies.

Prerequisite: Director approval.

Credit: 3 Hours.

EDUC 675 Scientific Inquiry

Examination of nature of science and scientific method as a way of knowing. Participants develop classroom exercises and science projects to help middle and junior high school aged children understand differences between science and pseudo-science, relationship between science and technology, and role of science in society.

Prerequisites: Acceptance to the Marietta College Master of Education Program and participation in Women in the Sciences (W.I.T.S.).

Credit: 3 Hours.

EDUC 676 Nonverbal Communication

Standard nonverbal communication systems: kinetic, proxemic, artifactual, vocalic, tactile and olfactory, and telepathic. Some experiential research required.

Credit: 3 Hours.

EDUC 677 Mentorship

Collaborative study and experiences designed to develop community of educational leaders. Veteran teachers and administrators participate in yearlong program to develop mentorship skills, design a district mentor program, and collaborate with entry-level teachers.

Credit: 3 Hours.

EDUC 680 Organization and Administration of School Guidance

Study of the organization and administration of a school guidance program, K-12. Attention to pupil personnel services in the domains of guidance and counseling and corresponding student competencies. Coverage of services, administrative procedures, staff responsibilities, legal and ethical considerations, evaluation procedures, parent consultation models and community resources.

Credit: 3 Hours.

EDUC 681 Elementary School Guidance

Research, theory, and established practice of elementary school counseling. Review of historical foundations and social, physiological, psychological development of the elementary child. Focus on designing a guidance curriculum, organizing and planning group counseling, career development in the elementary schools, prevention counseling, assessment practices, and working with parents and ancillary agencies.

Credit: 3 Hours.

EDUC 682 Career and Vocational Development

Investigation of the historical basis for career development, examination of the current status and trends in the work force, and techniques for preparing counselors to assist students in the selection, preparation, and evaluation of specific occupations. Focus on computer-based career information, guidance, and development systems; diversity issues that affect career development; assessment instruments; specific counseling techniques applicable to specific populations; and ethical considerations related to information access.

Credit: 3 Hours.

EDUC 683 Group Counseling

Learning to use groups to increase self-understanding and to improve the quality of interpersonal relationships including purposes, process, leadership, membership, evaluation, and ethics in group counseling. Examines group dynamics, developmental stages of groups, leadership styles, group counseling theories, research, ethical standards, and group counseling methodology. Students participate in groups, lead groups, and analyze audio and video tapes.

Credit: 3 Hours

EDUC 684 Counseling Theory

An examination of the traditional forces of counseling (psycho-dynamic, cognitive-behavioral, and existential-humanistic) and therapy and ethical considerations. Includes both individual and systems perspectives as well as coverage of relevant research and factors considered in applications; basic interviewing skills, counseling skills, and influences on the helping process; diversity issues, and characteristics that affect the helping processes, such as verbal and nonverbal behaviors, personal characteristics, traits, capabilities, and life circumstances.

Credit: 3 Hours.

EDUC 685 Counseling and Multicultural Education

Study of racial/ethnic minorities and cross-cultural counseling, psychological implications of various minorities and cultures, psychodynamics of coping and survival, cultural sensitivity, and counseling such populations as African-Americans, American Indians, Asian-Americans, and Hispanic/Latinos with respect to their specific need and cultural factors.

Credit: 3 Hours.

EDUC 686 Counseling over the Lifespan

Integrated approach to the study of counseling and human development from birth to death with an emphasis on biological processes, cognitive processes, and social processes. Also includes such things as historical perspective, family processes, parent-adolescent conflict, career transitions, longevity and physical decline, and death and dying.

Credit: 3 Hours.

EDUC 687 Assessment and Appraisal

Selection, administration, and interpretation of psychometric/educational instruments and program evaluation. In-depth study of cognitive, affective and psychomotor appraisal with respect to age, gender, ethnicity, language, disability, and cultural factors. Includes test administration, analysis, reporting results, and ethical considerations; design and analysis of data for program evaluation.

Credit: 3 Hours.

EDUC 690 Practicum: Student must choose between two options**Option 1: Research Practicum**

Synthesis of discipline theory, research, and technology in which students, with approval and guidance of their advisor and one other professor design and complete a culminating research report, project, or clinical practicum.

Prerequisites: All required counseling courses below Educ 690.
Credit: 3 Hours.

Option 2: School counseling Practicum

Supervised practicum of a minimum of 100 clock hours with direct service to clients in individual and group interactions. Individual supervision by direct observation, video and audio tapes, as well as group practicum meetings each week.

Prerequisites: All required counseling courses below Educ 690.
Credit: 3 Hours.

EDUC 692 Internship

Supervised internship of 600 clock hours begun after successful completion of Education 690. Student will have a minimum of 240 hours of direct service with clients with one hour of individual, on-site supervision per week and one and one-half hours of group supervision throughout the internship. Internship provides the opportunity for the student to develop counseling skills; gain experience utilizing professional resources, such as assessment instruments, computer software, professional literature, research, and information and referral systems. Students will develop audio and video tapes during the internship and be formally evaluated.

The Degree of Master of Arts in Liberal Learning (M.A.L.L.)

Director: Dr. James H. O'Donnell, III (odonnell@marietta.edu)

The Master of Arts in Liberal Learning is tailored to fit two general types of needs: that of the person seeking a broad-based liberal studies program and that of a person desiring a liberal studies program built around a core of career supportive courses. Students interested in liberal studies at an advanced level, but not wishing to complete a master's degree, may enroll in selected M.A.L.L. courses.

Marietta College is accredited at the master's degree level by the Commission on Institutions of Higher Education of the North Central Association of Colleges and Schools. The Master of Arts in Liberal Learning degree is approved by the Ohio Board of Regents. Teachers may use the program to both renew and upgrade their education.

The graduation requirements for the M.A.L.L. degree are:

1. The Credit Requirement
2. The Degree Plan Requirement
3. The Core Courses Requirement
4. The Grade Point Requirement
5. The Residency Requirement
6. Accommodation of Transfer Courses

1. The Credit Requirement

Each student must complete a minimum of thirty (30) graduate credit hours.

2. The Degree Plan Requirement

In collaboration with the M.A.L.L. director, each M.A.L.L. student must submit an individualized plan for his or her program of study along with the application for admission to the program. Program plans can be revised in response to redefined needs and goals. Program plans and revisions are placed in the student's file in the Office of Graduate Programs and Continuing Education.

3. The Core Courses Requirement

Each student must complete both the Entry Course,

MALL 601, and the Assessment Course, MALL 690.

Both courses use classical and modern readings to study general themes of Western thought and reflect on the nature of liberal learning. Taken early in the program, the Entry Course is designed to help a student see his or her degree goals in conjunction with the ideals of liberal learning. Given this purpose, enrollment in the Entry Course should take place no later than after accumulating six hours of Marietta College graduate credit. By the same token, in that the Assessment Course offers the student the opportunity to appraise his or her individualized program and reconsider the ideals of liberal learning, enrollment should take place no earlier than after completion of the twenty-fourth (24th) hour of credit.

4. The Grade Point Requirement

Marietta College uses a 4.0 grading system where A = 4 quality points, B = 3, etc. with +/-, so a B+, for example, = 3.33. (The grade A+ can be awarded but earns only 4 quality points.) A minimum grade of "C" (= 2 quality points) is required in each M.A.L.L. course, except when the course is an enhanced undergraduate course, in which case a minimum grade of "B" is required.

5. The Residency Requirement

At least 24 hours of the M.A.L.L. courses must be taken in residence at Marietta College.

6. Accommodation of Transfer Courses

A maximum of twelve (12) graduate credit hours can be transferred into the M.A.L.L. program, which may include up to six hours from other accredited institutions. An official transcript must be sent to the Office of Graduate Programs and Continuing Education and a statement concerning integration of the transfer into the student's M.A.L.L. plan must be worked out in collaboration with the M.A.L.L. director.

Admission to the M.A.L.L. Program

Admission to the College as a graduate student is competitive and selective. Each applicant receives individual consideration, however. Students may receive admission to the M.A.L.L. Program without condition, with conditions, or as a non-degree student.

Application forms are available from:

The Director of the M.A.L.L. Program
Office of Graduate Programs and
Continuing Education
Irvine Administration Building – Room 208
Marietta College
215 Fifth Street
Marietta, OH 45750
Tel: (740) 376-4740

Completed application material should be returned to the Office of Graduate Programs and Continuing Education.

Application Procedure

To apply for admission to the M.A.L.L. Program, the applicant must submit the following:

1. Application for Admission;
2. Official transcripts of all college-level work, including any graduate work;
3. Two written recommendations attesting to the candidate's capacity to perform graduate-level work and demonstrating a commitment on the part of the candidate to complete the degree;
4. Official test scores of the Miller Analogies Test. (The test will be administered by the College's Department of Education and students should contact the Office of Graduate Programs and Continuing Education for details); and
5. A non-refundable \$25 application fee.

Prospective students should be aware that their application process should be completed by the end of their first semester of study.

Admission Without Condition

To be admitted to the M.A.L.L. Program without condition, the candidate must:

1. hold a Bachelor's degree from an accredited institution; and
2. have two written recommendations which attest to sufficient intellectual ability to pursue graduate work as well as to professional expertise.

Admission With Conditions

For applicants who do not meet the qualifications to be admitted without condition, the Graduate Council may grant admission with conditions. Students granted admission with conditions may not enroll in more than 9 hours before meeting all the conditions set forth by the Graduate Council.

Non-Degree Students

A student who already holds a master's degree or higher, or is enrolled and in good standing in a post-baccalaureate degree program at an accredited institution, may receive non-degree status. A non-degree student may complete up to 15 hours of graduate level work at Marietta College. If a non-degree student wishes to take more than 15 credit hours, he or she must:

1. be admitted without condition into the Marietta graduate program, or
2. petition the Graduate Council to grant a waiver.

Policies**Degree Structure**

Outside the required core of six credit hours, students may individually tailor a program of study to meet their needs. The 30 credit hours will be distributed as follows:

MALL 601	3 credit hours
MALL 690	3
Classroom work and/or independent study	24

Course Delivery**Graduate Courses**

The College offers two types of graduate courses for classroom delivery. One type is designed solely for, and open only to, graduate students. The second type is the enhanced undergraduate course in which each graduate student and the instructor write a learning contract which

spells out the nature of the graduate component – involving additional reading, research, writing, conferences, and the like. Such a learning contract is submitted for approval to the M.A.L.L. director and is reviewed by the Director of Graduate Programs and Continuing Education.

Independent Study

A course may be taken as an independent study, with the agreement of the instructor. A learning contract must be completed and submitted for approval to the M.A.L.L. director and is reviewed by the Director of Graduate Programs and Continuing Education. An independent study may be a course currently listed in this Catalog or a course to be defined by the student in consultation with the instructor.

Course Load

The M.A.L.L. program is designed for part-time nonresidential students. Normally the maximum course load is two courses per semester. Permission to take more than two courses per semester must be obtained from the M.A.L.L. director and the Director of the Office of Graduate Programs and Continuing Education

Fees

The tuition fee for M.A.L.L. courses is \$321 per credit hour. See the GRADUATE PROGRAMS Financial Aid section for information on Withdrawal and Refund Policy, and also for information on Financial Aid and Standards of Satisfactory Academic Progress.

The Degree of Master of Science in Physician Assistant Studies (M.S.P.A.S.)

www.marietta.edu/graduate/PA; e-mail: paprog@marietta.edu

Director: Dr. Gloria M. Stewart (stewartg@marietta.edu)

Medical director: Kenneth Kramer; academic coordinator: James Fry; clinical coordinator: Miranda Collins

Secretary: D. Elaine Addis; administrative assistant: Penny Rose

The mission of the Marietta College Physician Assistant Program is to help meet the need for quality primary care providers. The program accomplishes this by selecting individuals who have the academic, clinical, and interpersonal attitudes necessary for education as physician assistants. The program's curriculum educates these students by building the cognitive, clinical, interpersonal and professional skills needed for the supervised practice of medicine as physician assistants.

The Masters of Science in Physician Assistant Studies enrolled its first class in June 2002 and has received provisional accreditation from the Accreditation Review Commission for Physician Assistant programs.

The graduation requirements for the M.S.P.A.S. degree are:

1. The Credit Requirement
2. The Grade Point Requirement
3. The Final Examinations and Capstone Project
4. The Residency Requirement

1. The Credit Requirement

Each student must complete 107 credit hours of the courses listed below for the M.S.P.A.S. program.

2. The Grade Point Requirement

Marietta College uses a 4.0 grading system where A = 4 quality points, B = 3, etc. with +/-, so a B+, for example, = 3.33. (The grade A+ can be awarded but earns only 4 quality points.) Each student must achieve at least an overall grade point average of 3.00 in the pro-

gram courses, and a grade point of 2.00 or better in all courses.

3. The Final Examinations and Capstone Project Requirement

Each student must complete the program's final examinations and present his/her capstone project.

4. The Residency Requirement

All courses must be taken with the Marietta College program. The P.A. program does not accept transfer of credit or advanced standing for any of the M.S.P.A.S courses.

Admission to the M.S.P.A.S. Program

Information for the M.S.P.A.S. program is available from the website shown above, or from:

Director of the Physician Assistant Program
 Marietta College
 215 Fifth Street
 Marietta, OH 45750
 Tel: (740) 376-4458

Applicants must meet the following prerequisites:

1. Bachelor's degree with a minimum cumulative GPA of 2.8
2. Two semesters of General Biology
3. Two semesters of General Chemistry with laboratories
4. One semester of Microbiology with a laboratory
5. One semester of Human Anatomy
6. One semester of Human Physiology
7. Two semesters of Psychology (General and Abnormal)
8. One semester of Statistics

All prerequisite courses must be completed prior to entering the program.

Students must have a working knowledge of word processing, spread sheets, e-mail, and web searches and how to access CD-ROM and Zip drives. Prospective students are encouraged to visit the program's website at www.marietta.edu/graduate/PA for additional information on prerequisite courses.

The following additional academic courses are strongly encouraged though not required: Organic Chemistry, Biochemistry, Nutrition, Genetics, and Immunology.

Applicants must also meet certain "Technical Standards of Performance" in the areas of Observation, Communication, Motor Function, Intellectual/Conceptual, Integrative and Quantitative Ability, and Behavioral and Social Attributes. Further information about the "Technical Standards of Performance" is available on request from the director of the program.

Application Procedure:

1. Each applicant must apply to the Centralized Application Service for Physician Assistants (CASPA) www.caspaconline.org. The deadline for the CASPA application is *December 1* for the following summer entry.
2. Marietta College PA Program supplemental application will be sent to each applicant after the PA Program receives your application from CASPA. The supplemental application includes the applicant's life experiences and life goals. Supplemental application deadline is *January 15* for the following

- summer entry.
3. Official test score results for the Graduate Record Examination (GRE) General Test (verbal, quantitative, and analytical) or Miller Analogies test must be sent to the Marietta College PA Program under school code 1444.

The application is reviewed by an admissions committee which conducts personal interviews before selecting students for admission. Selection for interviews are based on evaluation of the following factors:

- Academic preparation
- Potential for primary care practice
- Motivation, maturity, ability to work with people
- Knowledge of the PA profession
- Letters of recommendation
- Personal interview

Practice as a Physician Assistant requires maturity, responsibility, and a commitment to providing high quality health care. Many physician assistant students bring significant prior health care, life and educational experiences to their physician assistant education. For the Marietta College PA Program such experience is strongly recommended though not required.

Applicants selected for interviews will be asked to come to campus in March with offers of admission being made in April.

Fees, expenses and financial aid for 2002-2003

Tuition, fees, and program costs for 2002-2003 for the program are

Pre-Clinical Phase –

Summer Session (8 credit hours)	\$4,000
First Year (40 credit hours)	\$24,000
Semesters one and two	\$24,000

Clinical Phase –

Second Year (59 credit hours)	\$24,000
Semesters one and two	\$24,000

Accepted students will be asked to send a \$200 admission deposit. Payment of the deposit indicates the student's intent to enroll in the Physician Assistant Program. The deposit will be credited towards the summer session charge.

The above fees do not include major medical health insurance, life/disability insurance, malpractice insurance, books, and computer costs. Students in the program are required to carry major medical health insurance and

proof of insurance is required. The fees listed above do not include living expenses.

College financial aid is administered by the Marietta College Student Financial Services Office, telephone: 1-800-331-2709. One scholarship will be awarded per year to an entering M.S.P.A.S student. For more information, please contact the PA Program, telephone (740) 376-4458.

See the GRADUATE PROGRAMS Financial Aid section below for information on Withdrawal and Refund Policy, and also for information on Financial Aid and Standards of Satisfactory Academic Progress

Program Structure

Pre-Clinical Phase (48 credits)

Summer semester (mid-June – mid-August)	
PASP 501 Gross Anatomy & Histology	8 credits
Total	8 credits

Year 1: Fall semester

(mid-August – mid-December)

PASP 502 Introduction to Clinical Medicine I (History & Physical Examination, Clinical Skills, & Effective Communication)	4 credits
PASP 503 Advanced Human Physiology	3 credits
PASP 506 Basic Sciences (Biochemistry, Immunology & Genetics)	3 credits
PASP 508 Advanced Pharmacology	6 credits
PASP 512 Health Policy & Medical Ethics	2 credits
PASP 590 Research Methods	3 credits
Total	21 credits

Year 1: Spring semester

(early January – mid-June)

PASP 504 Introduction to Clinical Medicine II (Problem Oriented Examinations, Clinical Experiences & Skills, & Effective Communication)	4 credits
PASP 507 Pathophysiology	4 credits
PASP 516 Professional Issues	2 credits
PASP 520 Clinical Medicine	6 credits
PASP 522 Applied Clinical Medicine (Laboratory Medicine, Radiography, Clinical Decision Making & Skills)	3 credits
Total	19 credits

Clinical Phase (59 credits)

Year 2: Fall semester

(mid-June – mid-December)

PASP 660 Family Medicine Preceptorship I	10 credits
PASP 650 Internal Medicine	5 credits
PASP 651 General Surgery	5 credits

PASP 653 Pediatrics	5 credits
PASP 657 Psychiatry/Behavioral Medicine	5 credits
Total	30 credits
Year 2: Spring semester	
(early January – August)	
PASP 652 Prenatal Care/GYN	5 credits
PASP 654 Emergency Medicine	5 credits
PASP 655 Orthopedics	5 credits
PASP 658 Elective (Geriatrics, Dermatology, Ophthalmology, etc)	6 credits
PASP 661 Family Medicine Preceptorship II	5 credits
PASP 699 Clinical Phase Seminar & Capstone Project	3 credits
Total	29 credits
Total for program	107 credits

Course descriptions for the Physician Assistant Program

All courses carry a minimum prerequisite of enrollment in the Physician Assistant Program

PASP501 Gross Anatomy & Histology

A complete regional dissection of the human subject is performed. Topographical and radiological aspects of the subject are treated by reference to medical cases. Microscopic structure of tissues and organs with emphasis on functional relationships is discussed and performed. Clinical correlations are emphasized and adult morphology is correlated with embryological development. The anatomy of the human central nervous system is studied as it applied to its functions and deficits resulting from neurological conditions. Clinical human anatomy and neuroanatomical correlations are presented.

Credit: 8 hours

PASP502 Introduction to Clinical Medicine I

This course provides the student with the knowledge and skills that will develop an understanding and practice in patient interviewing, effective communication, and physical examination skills through structured clinical experiences.

Credit: 4 hours

PASP503 Advanced Human Physiology

A comprehensive study of the physiology of the human as it relates to majors in the physician assistants program. Emphasis will be directed toward advanced instruction in membrane physiology, control of cellular activity, GI physiology, renal physiology, endocrinology, nerve and muscle physiology, cardiovascular, respiratory, and central nervous systems.

Credit: 3 hours

PASP504 Introduction to Clinical Medicine II

This course continues the development of student skills in performing the medical history and physical examination along with clinical skills such as Advanced Cardiac Life Support (ACLS), injections and surgical techniques. Clinical experiences in emergency room, geriatric facilities, and other health care settings that will help provide the students with hands-on application of their knowledge and skills. Presentations on supervised medical care and professional topics are also included.

Prerequisite: PASP 502

Credit: 4 hours

PASP506 Basic Sciences

This course provides the student with the fundamental background in biochemistry, immunology, and genetics necessary for the clinical evaluation and management of the patient with disease related to these areas.

Credit: 3 hours

PASP507 Pathophysiology

This course provides a systematic approach to basic concepts of the physiologic basis for disease. The general pathology of cell injury, inflammation, infection and neoplasia will be included with disease processes of specific organ systems.

Prerequisites: PASP 501, 506

Credit: 4 hours

PASP508 Advanced Pharmacology

Systematic presentation of pharmacological agents based on drug group classification, their nature, mode of action and toxicity, clinical pharmacological therapeutic correlations.

Credit: 6 hours

PASP512 Health Policy & Medical Ethics

This course provides the student with an introduction of medical ethics, medical literature and legal issues as they relate to the supervised practice of clinical medicine and medical literature.

Credit: 2 hours

PASP516 Professional Issues

This course provides the student with an overview of the Physician Assistant profession, its history and current role in health care.

Credit: 2 hours

PASP520 Clinical Medicine

This course is a comprehensive group of classroom presentations, lab sessions, and problem based learning activities covering the spectrum of medical topics with a primary care focus. It provides the student with the necessary cognitive medical background as they begin to formulate differential diagnosis and treatment plans utilized in the supervised clinical practice. Prerequisites: PASP 501, 503, 506, and concurrent registration in PASP507, 522.

Credit: 6 hours

PASP522 Applied Clinical Medicine

This course provides the student with an introduction to clinical laboratory medicine, radiology, clinical decision-making and related clinical simulated patient skills.

Credit: 3 hours

PASP590 Research Methods

This course provides the student with an introduction in research methodology and design, which requires a fundamental knowledge of statistics. The course is intended to enable the student to read specific medical literature and evaluate the findings. The student is expected to become proficient in the interpretation of the research by demonstrating knowledge of the application of statistics and different methods of research and outcomes assessment of evidence based medicine.

Prerequisite: PASP 501

Credit: 3 hours

PASP650 Internal Medicine Clinical Rotation

The five-week internal medicine rotation allows physician assistant students to become part of an internal medicine practice caring for adult and geriatric patients. Students will perform patient history and physical examinations, obtain diagnostic testing and present their data to their precepting physician(s) with a proposed differential diagnosis and treatment plan.

Prerequisite: completion of the Pre-clinical Phase of the Physician Assistant Program.

Credit: 5 hours

PASP651 General Surgery Clinical Rotation

The five-week general surgery rotation is designed to prepare the Physician Assistant student to function as an assistant to the general surgeon and to care for surgical disease in the primary care setting and to learn to make appropriate referrals.

Prerequisite: completion of the Pre-clinical Phase of the Physician Assistant Program.

Credit: 5 hours

PASP652 Prenatal Care/GYN Clinical Rotation

The five-week prenatal care/gynecology rotation is designed to provide an opportunity for the Physician Assistant student to develop proficiency in the unique medical history, physical examination, and treatment of the prenatal/gynecology patient. Prerequisite: completion of the Pre-clinical Phase of the Physician Assistant Program.

Credit: 5 hours

PASP653 Pediatrics Clinical Rotation

The five-week pediatric rotation is designed to provide an intense exposure to primary care pediatric problems with the objectives of developing skills in well-child preventive care, the care of common pediatric illnesses and the care of the newborn and children in the hospital setting.

Prerequisite: completion of the Pre-clinical Phase of the Physician Assistant Program.

Credit: 5 hours

PASP654 Emergency Medicine Clinical Rotation

The five-week emergency medicine rotation is designed to provide the Physician Assistant student with exposure to and development of skills in managing patients in the emergency room setting. Learned skills will include those necessary for appropriate triage, stabilization, and initial assessment, diagnosis and management of patients with traumatic injuries and illnesses as well as the management of less life-threatening problems that present to the emergency room. Physician Assistant students will develop skills in working with the pre-hospital emergency medical team and secondary referral systems.

Prerequisite: completion of the Pre-clinical Phase of the Physician Assistant Program.

Credit: 5 hours

PASP655 Orthopedics Clinical Rotation

The five-week orthopedics rotation is designed to provide the Physician Assistant student with an orthopedic expression of caring for orthopedic problems and learning to treat the majority of orthopedic conditions found in primary care. The student will also become familiar with general orthopedic practice in order to recognize pathology effectively and to make timely referrals to the orthopedic specialist.

Prerequisite: completion of the Pre-clinical Phase of the Physician Assistant Program.

Credit: 5 hours

PASP657 Psychiatry/Behavioral Medicine Clinical Rotation

The five-week clinical rotation is designed to provide experience in caring for ambulatory and hospitalized patients with psychiatric disorders. The student will be able to do basic psychiatric evaluations of patients, to monitor medications to refer to psychiatrists and psychiatric facilities, as needed, and to support the clinical treatment plan for patient after psychiatric evaluation and treatment.

Prerequisite: completion of the Pre-clinical Phase of the Physician Assistant Program

Credit: 5 hours

PASP658 Elective Clinical Rotation

The six-week clinical rotation is designed to provide an elective opportunity in any of the following discipline: dermatology, gastroenterology, plastic surgery, cardiology, radiology, ENT, urology, gerontology, pulmonology, ophthalmology, and oncology or to extend any of the required rotations. The student will be able to recognize conditions treatable by these specialties, so that they can refer patients appropriately and/or work in a supportive role for such specialists.

Prerequisite: completion of the Pre-clinical Phase of the Physician Assistant Program.

Credit: 6 hours

PASP660 Family Medicine I Preceptorship

This ten-week preceptorship at the beginning of the clinical year provides students with a clinical experience setting during which students refine their skills in performing the history and physical exam, ordering and interpreting diagnostic tests and developing treatment plans for patients. The Physician Assistant student participates in and develops proficiencies in the broad spectrum of primary care by developing skills in acute and long-term management.

Prerequisite: completion of the Pre-clinical Phase of the Physician Assistant Program.

Credit: 10 hours

PASP661 Family Medicine II Preceptorship

This five-week preceptorship at the end of the clinical phase provides students with a clinical experience setting during which student and their preceptor can evaluate the student's skills in performing the history and physical exam, ordering and interpreting diagnostic tests and developing treatment plans for patients at the completion of their clinical education. The Physician Assistant student participates in and develops proficiencies in the broad spectrum of primary care by developing skills in acute and long-term management.

Prerequisite: completion of the Pre-clinical Phase of the Physician Assistant Program.

Credit: 5 hours

PASP690 Clinical Phase Seminar & Capstone Project

Senior level, clinical phase Seminar (Summer Semester) is designed to provide an ongoing assessment process that is used to help the students further analyze, synthesize, and evaluate their role as future health care providers. This course provides the student and the program with avenues of summative evaluation in the development of future physician assistants and the PA Program. The Capstone project will provide the student with the opportunity to apply their knowledge of medicine to an actual research project through the application of the scientific methods.

Prerequisite: completion of the Pre-clinical Phase of the Physician Assistant Program.

Credit: 3 hours

Graduate Programs 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 student has the responsibility to meet college costs to the extent he or she is able, Marietta College tries to build a partnership with each student that will bridge the gap between the student's contribution and College costs.

Financial Aid

Sources of Assistance

The primary type of aid that is available to graduate students is in the form of federal student loans.

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 graduates or 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 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.

Application Process

To apply for assistance through the federal financial aid program, students must submit to the federal processor the Free Application for Federal Student Aid (FAFSA). The FAFSA is normally available in November from the Marietta College Office of Student Financial Services or on the internet at www.fafsa.ed.gov. Since summer term is considered to be the end of our financial aid year, students who intend to begin their graduate program in the summer need to be sure that Marietta College receives the FAFSA results for both the current and the next academic year. If a student has already completed a FAFSA for the current academic year he or she simply needs to make sure that Marietta College has received that information.

To be considered for assistance, students must be citizens of the United States and must be formally admitted to one of the College's degree programs. Each male

student must also document compliance with Selective Service Administration regulations.

Renewal of Aid

Eligibility for need-based assistance is determined by the result of an analysis of information provided each year to the College through the FAFSA or Renewal Free Application for Federal Student Aid (RFAFSA). Eligibility for and level of assistance can vary from year to year as a result of factors such as changes in family circumstances and revisions in federal laws and regulations. Additional factors include maintaining satisfactory academic progress.

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.

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 both federal and Marietta College resources. Different standards might be required for funds provided by 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 the Director of Graduate Programs and Continuing Education. 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 15 hrs.	2.5
16 hrs. and higher	3.0

In addition, a student must have achieved a 2.5 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	Credit Hours Attempted
M.A.L.L.	30	45
M.A.Ed.	33	50
M.S.P.A.S.	107	161

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.

Incompletes, Course Repetitions, and Withdrawals

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, has been granted the appeal and has not met the requirements of the appeal, all incompletes must be resolved prior to determining renewed eligibility for aid.

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 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 feels 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.

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. When 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. Other Federal Title IV aid (excluding work-study) and
6. Other programs as required by the program.

A sample calculation may be obtained by contacting the Office of Student Financial Services.

Refunds to Marietta College Aid Sources

The amount refunded to Marietta College's financial aid funds is the same as the percentage of the reduction in tuition, room and board.

Continuing Education Program

Office of Graduate Programs and Continuing Education, Director: Ms. Cathy J. Brown (brownnc@marietta.edu)

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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 the citizens of the Marietta-Parkersburg area. The Office of Graduate Programs and Continuing Education makes available a variety of programs at the certificate, associate degree, bachelor's degree and master's degree level. Information on the three master's degrees offered are described in the GRADUATE PROGRAMS section of this Catalog.

Undergraduate Continuing Education courses are open to students of 24 years of age or more and who possess at least a high school diploma or equivalent.

Bachelor's Degrees

Students may complete the requirements for any of the majors or minors offered by the College. In addition, Continuing Education students may pursue a general studies major described below. The graduation requirements for a bachelor's 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**

ENGL 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	<u>61 Hours</u>
Associate of Arts Degree in Liberal Arts	
General Requirements	19 Hours
ENGL 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	
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	<u>61 Hours</u>

* Areas of concentration refer to areas of study within a department (e.g. psychology, accounting, or management, or other areas of study). The student will select three separate areas of study.

Certificate Programs

The College offers a number of certificate programs:

- Certificate in Accounting
- Certificate in Entrepreneurial Studies
- Certificate in Leadership Studies
- Certificate in Microcomputer Systems Specialist
- Certificate in Oral Communication
- Certificate in Teaching English as a Foreign Language (TEFL)
- Certificate in Writing

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's 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 follow the regular admission procedures described under UNDERGRADUATE ADMISSION in this catalog.

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. 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's 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's degrees eighteen hours in the discipline must be courses taken at Marietta College.

Prospective students are encouraged to make an appointment with the Director of the Office of Graduate Programs and Continuing Education 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 approxi-

mately \$700. Portfolio preparation is recommended only if a student is requesting at least 20 credit hours. Earning life experience credit requires that the student enroll in the following courses:

College 115 Introduction to Portfolio Preparation

Examines process by which a portfolio for life experience credit is prepared. Includes preparation of résumé and autobiography and self-assessment of potential areas of credit for life experience.

Credit: 2 Hours

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 \$229 per credit hour. The fee for auditing a course is \$50 per credit hour. There is a non-refundable application fee for admission as a Continuing Education student of \$25.

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 Programs and Continuing Education.

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 \$50 per credit hour.

Non-traditional study

Courses listed in the Catalog that are not otherwise conveniently available to Continuing Education 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 session 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 who has completed the junior year is eligible to enroll in summer session courses. Attendance at summer session courses does not constitute formal acceptance to Marietta College

Schedule

The summer term usually begins in mid-May and ends in late July. Courses are typically offered in two five-and-a-half week sessions (Sessions I and II), and an extended 11-week session (Session III.) The dates vary slightly from year to year and the student should refer to the COLLEGE YEAR section of the Catalog.

Course Load

A student may enroll in a maximum of two courses in any combination of sessions. 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 3.00-3.49 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 3.50 or higher in a given academic year is recognized as a Dean's High Honors List student for that year.

The Honors Program

Students may attain the distinction of Honors in a Discipline through participation in the 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 3.90 and 4.00
- ***Magna cum laude:*** a cumulative grade point average between 3.75 and 3.899
- ***Cum laude:*** a cumulative grade point average between 3.50 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.

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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 and 7th streets, Butler and Pike Streets. The oldest building, the President's Home, dates from 1822 while the Rickey Science Building is due for completion in the Spring of 2003.

The Dawes Memorial Library

Website: library.marietta.edu, e-mail: library@marietta.edu

College Librarian: Professor Sandra B. Neyman (neymans@marietta.edu)

Librarians: Angela Burdiss, Sharon Douglass, Peter Thayer

The Dawes Memorial Library perpetuates the name of a distinguished family with a long record of devotion and service to the College. Completely air-conditioned, the three-level building seats 370 and houses more than a quarter million volumes and nonbook library materials, classified under the Library of Congress system. Among the special collections are the Rodney M. Stimson Collection of Americana, a collection of rare 15th through 20th century books, and a unique collection of historic manuscripts rich in items pertaining to the Old Northwest Territory and early Ohio, including the records of the Ohio Company of Associates, whose members founded the first organized American settlement in the Old Northwest Territory at Marietta in 1788.

M. C. CAT, the library's online catalog, expands the capabilities of patrons to search for materials in the library's collections. The integrated, multi-function library system includes an automated circulation system, as well as serials check-in and electronic ordering modules. As a member of OhioLINK, a statewide consortium of 79 academic libraries, Dawes Memorial Library provides access to over 90 periodical indexes and full-text databases via the World Wide Web. Students and faculty, using the patron-initiated, online borrowing feature, can request books from other OhioLINK libraries.

The library currently receives more than 1,000 serial titles and, as a designated depository library, receives selected publications of the United States Government and the State of Ohio.

Marietta College is a charter member of OHIONET, a cooperative serving Ohio libraries, and of OCLC Inc., a national computerized electronic network organized in 1967 and located in Columbus, Ohio, which links together over 40,000 academic, public, and special libraries and library systems worldwide.

Library Special Collections

The Slack Research Collection is comprised of the individually named special collections of library materials, which are housed in the George J. Blazier Room of Dawes Memorial Library. Included in the research collections, numbering 35,000 books and 28,000 manuscripts, 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, Mrs. Arthur G. 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 Dawes Collection consists of 145 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 General Charles Gates Dawes, Class of 1884, who secured 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 Harry Philip Fischer Collection of photographs contains 14,000 plates and films of local scenes and a collection of photographs of steamboats. Mr. Fischer, a graduate of Marietta Academy, Class of 1896, was a well-known photographer in Marietta from 1901 to 1949. Donors were Mrs. Daisy Fischer and Richard Philip Fischer.

The Hildreth Collection consists mainly of the nine bound volumes of letters, documents, and memorabilia of Samuel Prescott Hildreth (1783-1863), Marietta physician, geologist, botanist, and amateur historian. The volumes deal primarily with the early history of the Ohio Valley from 1787-1847 and with natural history and geology. The three volumes of meteorological records, part of the data from Dr. Hildreth's 40 years of weather observation, are unique for that time. Of unusual interest are his journals of disease, 1831-1854. Some of the material is included in two of his publications, *Pioneer History*, published in 1848, and *Biographical and Historical Memoirs of the Early Pioneer Settlers of Ohio*, published in 1852. Also included are books from Dr. Hildreth's personal library.

The Stephen Durward Hoag Collection of photographs of people and scenes of the Marietta area represents a pictorial history not only of midtwentieth-century Marietta, but also contains reprints of negatives taken by photographers of an earlier era. A member of the Class of 1923, Mr. Hoag was a well-known Marietta-area photographer. The collection was greatly enlarged in 1984 by Mr. Hoag's private collection of negatives.

The Marietta College Archives contain the history of the College, of the city of Marietta, and of Washington County. They include financial records of the College from 1835 on,

correspondence of past presidents, student publications, speeches, and articles.

The Marietta College Library Art Collection consists of paintings and art objects, including portraits of members of the Dawes family.

The Manuscripts and Documents of the Ohio Company of Associates is a collection of documents, records, and letters dealing with the Ohio Company. Included are the original book of minutes of the directors, the record book of deeds, the survey plats, and the field notes of the surveyors. The collection was deeded to Marietta College by the late Mrs. Albert B. White, a descendant of Nahum Ward, the pioneer who owned a controlling interest in the Company's assets during its later years.

The Manuscript Collection continues to grow in importance. In addition to the general collection are the papers of Edward Bosworth Manley (1904-1982), Class of 1926 and Arctic explorer; of the family of Francis Macmillen (1885-1973), Marietta native and world-famous violinist; and of the family of Nahum Ward (1785-1860), influential Marietta resident.

The Putnam Papers is a collection that includes the correspondence, documents, diaries, and memorandums of General Rufus Putnam (1738-1824), Revolutionary War Army officer, superintendent of the Ohio Company of Associates, and surveyor general of the United States. The manuscript collection reflects the hazardous economic, military, and political life of this pioneer era. It was bequeathed to the College by William Rufus Putnam, grandson of General Putnam.

The Rare Book Collection contains volumes dating from 1489. Included are three incunabula, rare dictionaries, 19th-century textbooks, and numbers of historical first editions, such as Newton's *Opticks*. From time to time, as they become items of value, volumes from the regular collection are added to the Rare Book Collection.

The Charles Goddard Slack Collection of historical documents and prints contains more than 250 autographed letters, signed documents, and illustrative prints 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 Mr. 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 19,125 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. Mr. Stimson, Class of 1847, was a lawyer, newspaper editor, and librarian of the state of Ohio (1877-1879). He also served Marietta College as a librarian (1881-1892), and treasurer and trustee from 1895 to 1913.

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 support for Marietta College. The income from this fund is to be shared equally between Dawes Memorial 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.

Erwin Hall, the College's oldest academic building, was completed in 1870 and named in honor of E. B. Erwin. It houses the Education, Gender Studies, Philosophy, and Psychology

programs. Erwin Hall is located in the National Register of Historic Places.

In addition to classroom space, Erwin Hall includes two computer laboratories. The first laboratory 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, Communication and Theatre Arts, 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 electrical 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 and the Institute for Education and Training for Business. The building also contains classrooms, a computer laboratory, 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, laboratory, and classroom space for the Departments of Physics, Mathematics, and Computer Science. 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.

The central office for the three departments, mathematics faculty offices, a seminar room, and the main lecture room for the building are located on the first floor. Classrooms for the Department of Computer Science and Department of Mathematics occupy the second floor. The Eugene E. and Iris Lowers Anderson Computer Science Laboratory, which houses the principal microcomputer cluster of the College, as well as computer science faculty offices, Information Technology offices and work areas, are on the third floor. A laboratory area for astronomy classes and some intermediate physics courses is on the fourth floor. The fifth floor houses the general physics laboratory.

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 and binoculars are available for individual student use.

The Rickey Science Center is currently under construction and is expected to be ready for occupancy in January 2003. The state-of-the-art laboratory and classroom facilities will be used by students in physics, environmental science, biology and chemistry.

Russell Hall 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 center is supervised by certified athletic trainers under the direction of the team physicians. The center's services are available to all students.

The Selby Science Center is composed of the Selby Chemistry Building and the Bartlett Biology Building. The Department of Chemistry occupies the entire Selby Chemistry Building. The first floor contains an auditorium seating 140, a lecture room, a seminar room, the E. L. Krause Reading Room, and faculty offices. Laboratories for general and organic chemistry, a research laboratory for organic chemistry, and a lecture room are on the second floor. The third floor contains special rooms for nuclear magnetic resonance and laser experiments. An instruments room includes infrared and ultraviolet/visible spectrophotometers, a Fourier-transform infrared spectrometer, an atomic absorption spectrometer, liquid chromatographs, a gas chromatograph-mass spectrometer, and electrochemical equipment. Other laboratory space is found for quantitative analysis, physical chemistry, biochemistry, inorganic chemistry, as well as for students engaged in independent study or research. This building was largely financed through gifts from the William G. and Marie Selby Foundation and Mrs. Marie Selby.

The Bartlett Biology Building is also part of the Selby Science Center. Made possible in large part through a bequest of Mrs. Jessie Bartlett Noll (1887-1966), it is named in memory of her husband, D. A. Bartlett (1866-1922). The building is occupied by the Eggleston Department of Biology and Environmental Science and the Graduate Program in Physician Assistant studies. Eight laboratories are equipped for specialized work in the areas of anatomy, animal and plant physiology, botany, cell and developmental biology, ecology, genetics, invertebrate zoology, and microbiology. In addition, two general laboratories are devoted to introductory work in biology. Auxiliary facilities include several small student-faculty research laboratories, a rooftop greenhouse, animal room, a herbarium, stockroom, and photographic darkroom.

Andrew U. Thomas Memorial Hall houses the classrooms and offices of the Departments of English, History, Modern Languages, Philosophy, Political Science, Religion; and the Brachman Department of Economics, Management, and Accounting. 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 four electronic classrooms with another two coming into use during 2002-2003. 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

Mary Beach Hall is a residence for 83 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.

Marietta Hall is a coed residence for 119 first year students. The four-story colonial design has a public lounge, kitchen, quiet study room and two laundry rooms.

New Residence 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 multi-purpose 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, multi-purpose room, two community kitchens and interior bicycle storage room.

Elise Newton Hall is a residence for 56 first year female students. A three-story colonial design, it is connected to Dorothy Webster Hall. The residence hall has a laundry located on the first floor. 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 and a community bathroom that will accommodate up to eight students. Parsons Hall was named in memory of the eighth president of the College.

Sophia Russell Hall is a coed residence for 108 first year students. Named in memory of a friend and benefactress of the College, the four-story brick building is of colonial design. The College Health Center and the Sports Medicine Center are housed on the ground floor of this building.

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 37 coed upper class and first year students. Dorothy Webster Hall has a public lounge, two kitchens and laundry room.

Theme Housing consists of six houses located along Fourth Street and Putnam Street. Themes may vary from year to year but provide housing for 160 upper class students.

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 50 years, 30 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, game room, commuter lounge, computer room, television lounge, and other facilities. The offices of student life, student government and the Academic Resource Center are located in the building.

The Gathering Place is an additional student center and was recently transformed from an empty supermarket building by members of the College community, including alumni. The relaxed atmosphere allows for a range of activities from Free-play pool, to video games, tv watching, or studying.

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. 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

The Boat House, uniquely constructed of grindstones quarried near Marietta, was given to the College in 1930 by the Kiwanis Club of Marietta. Located in the park 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.

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 intercollegiate competition in football, the field is lighted and seats 5,000 in the stadium, plus 2,500 in portable seats.

Ban Johnson Field House was built and named in honor of B. Bancroft Johnson, Class of 1887, founder of professional baseball's American League. The field house has a main floor with four basketball courts adaptable to a variety of indoor sports. The permanent seating capacity is 3,200. Free weight and Nautilus facilities and two handball/racquetball courts also are included in the building, as are a training and therapy room, extensive locker facilities, and offices of the Athletic Department. During 2002-03, a major refurbishing and extension will be completed. The extension incorporates a recreation center and indoor track.

The Chuck McCoy Athletic Facility was opened in 1993. The 6,800 square foot multipurpose athletic facility features a reception area, football coaches offices, a conference room, a 100-seat meeting and film room, men's and women's locker rooms, a training room, and a laundry room to serve football and women's soccer in the fall, along with softball and lacrosse in the spring. 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.

Pioneer Park is the College's 20-acre athletic area off Pike Street located three-quarters of a mile from the campus. It includes a lighted baseball field and the Alun O. Jones Memorial Field for intercollegiate competition in soccer and lacrosse.

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 12th president.

MacMillen House, at 213 Fourth Street, was the birthplace of Francis Rae MacMillen in 1855. 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 24 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

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and fellowships

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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 describe these.

Endowed Departments, Professorships, and Fellowships

The Marcus and Mindel Vershok Brachman Department of Economics, Management, and Accounting 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.

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. Dr. Barbara J. MacHaffie is the current holder.

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 generosity to Marietta College. The bequests from the Fleschers 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. Dr. Carol T. Steinhagen is the current holder.

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. The professorship is presently inactive.

The Hillyer Professorship in English Literature, Rhetoric, and Oratory was established in 1879 through funds provided by Truman Hillyer. The professorship is presently inactive.

McCoy Professors are current or new 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. Usually no more than 16 Marietta faculty will be McCoy Professors at any given time. 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. Dr. Barbara J. MacHaffie is the current holder.

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 whose teaching is considered distinctive and who are worthy of the honor of being designated "Harness Fellows." 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. Since 1985, up to three Harness Fellows are selected annually for three-year terms.

The Frederica G. Esbenshade 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. Esbenshade Sr., and Harry H. Esbenshade Jr., husband and son, respectively, of the late Mrs. Esbenshade of Uniontown, Pennsylvania.

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. Annual income supports research on art glass designs by students. Award winners are selected by a committee comprised of representatives of the History Department and the art glass industry.

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 Dawes Memorial 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 under the will of Dr. Amos, Class of 1928, of Midland, Michigan. The scholarship is to aid worthy and deserving students. Dr. Amos was granted an honorary Doctor of Science degree by Marietta College in 1966.

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 student in the Continuing Education program or its equivalent. First preference is given to graduates from Parkersburg High School or Parkersburg Catholic High School or to any other Continuing Education students from West Virginia.

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 Edward 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 DakerBedilion 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 Friends of Bhutan Scholarship Fund was established in 2000 by Dr. and Mrs. Gregory Krivchenia of Marietta, Ohio, and Friends of Bhutan. The purpose of this fund is to provide financial assistance for a citizen of Bhutan 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 worthy junior and senior psychology majors who have demonstrated basic critical abilities by earning at least two semesters credit in college-level mathematics courses.

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 young man 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. '51 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 Memorial Scholarship was established in 1989 by his sisters, Julia B. Staats and Alfreda B. Rhoades, and by Howard M. Schmidt, a friend of the honoree, to provide scholarship support to a worthy and deserving junior or senior student majoring in economics, management, and accounting. 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 and Frances Melton Britton Memorial Scholarship was established in 2001 by the estate of Clarence Britton '36. The scholarship is awarded to a junior or senior student majoring in the Economics, Management and Accounting department who has a GPA of 2.5 or higher. Preference will be given to a student from the Kanawha County (WV), from the city of Marietta, or from any other county in West Virginia.

The Carl L. Broughton Scholarship was established in 1996 by the McDonough Foundation in Parkersburg, W.Va., the scholarship will assist Marietta College in recruiting superior students who plan 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 Co. in Marietta. A member of the College's Board of Trustees for 40 years, he 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 May 10, 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 '26, noted children's book editor. The award is to provide scholarships to current students in financial need.

The Wen-Yu Cheng Scholarship is awarded to the rising senior student majoring in the Department of Economics, Management, and Accounting 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 Sherrill and Diana Drake Cleland Scholarship was funded in 2000 by the fourteenth president of Marietta College, Dr. Sherrill Cleland. The award is designated for a student minoring in Leadership Studies.

The Samuel H. and Dorothy Breed Clinidinst 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 Ann Mira Das Memorial Scholarship Fund was established in 1976 by Dr. and Mrs. Ramen K. Das, parents of the late Miss Das who was a student at the College from January 1975 until her death in October 1976. The qualities of financial need, diversity of interests, citizenship, leadership, sportsmanship, and academic achievement are considered by the selection committee when choosing the recipient.

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 2002-2003 is given in memory of Eileen Curtis, Helen Elston, Grace Laur, Joan Stehle West, MC Class of 1933, and Pauline Wilton. 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 Dean's Choice Scholarship was established in 1996 by the School of Accountancy of Ohio University. The Dean of the College and the accounting faculty of the department of economics, management, and accounting select as the recipient one senior accounting major planning to enter the University's Master of Science in Accountancy Program. The scholarship includes a full-tuition waiver for three quarters. The recipient may also be appointed to a graduate assistantship.

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, who was a trustee of the College from 1888 to 1908. Additions to the fund were made by his grandson, the late Edward A. Metcalf of McAllen, Texas, Class of 1912. Further additions to the fund have been contributed by Dr. Dickinson's granddaughter, Miss Miriam Dickinson of Yellow Springs, Ohio, Class of 1919, and 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 long-time 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 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 Economics, Management, and Accounting Department 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 Economics, Management, and Accounting, 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 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 micropaleontologist. 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 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 Paul Fulton Memorial Scholarships 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 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 Geon Leadership Scholarship was established in 1995 by the Geon Company of Independence, Ohio. The Geon Leadership Scholarship recognizes emerging leaders at Marietta College, specifically qualified students enrolled in the McDonough Leadership Program. Students who have completed the two-year associate of applied science program in manufacturing engineering technology plastic processing at Lorain County (Ohio) Community College will also receive top consideration. Two awards of \$2,500 will be made annually; recipients will also be considered for summer internship opportunities and employment following graduation with Geon. The Geon Company is a leading producer of vinyl resin and compounds which are used in a variety of important end-use markets such as piping, house siding, windows, flooring bottles, and wire and cable coatings. Donald P. Knechtges, a 1964 graduate of Marietta and a senior vice president at Geon, was instrumental in developing the scholarship program, along with William F. Patient, Geon's chair, president, and chief executive officer. Patient is a recipient of the College's Bernard P. McDonough Award for Excellence in Leadership.

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 Economics, Management, and Accounting. 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 Professor Emeritus Bert T. Glaze.

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 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 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 either the Department of Economics, Management, and Accounting, or in International Business Management.

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 was created in 1988 by their son, Robert B. Hartz, Class of 1969. The honorees are residents of Glenshaw, Pennsylvania. Annual income of the fund provides assistance to a junior or senior with a cumulative grade point average of 3.0 or better and who has 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 has been 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 Hunter Freshman Scholarship Fund was established in 1966 by the will of the late Mrs. Essie W. Hunter of Columbus, Ohio, whose first husband, Ezekial 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 International Brotherhood of Electrical Workers Scholarship, established in 1960 by Local Union No. 972, provides a stipend of \$1,000 a year for four years to one graduate of a high school in Athens, Meigs, Monroe, Morgan, Noble, or Washington Counties, or in the five eastern townships in Vinton County (Brown, Knox, Madison, Vinton and Wilkesville).

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 Brendan Hastings Jones and Anne McCormick Jones Scholarship was established in 1981 by Mr. and Mrs. Jones. Scholarships are awarded to juniors and/or seniors majoring in mass media who are worthy and needful of the assistance.

The Kibble Foundation Scholarships were established in 1979 by Anderson B. Kibble to provide assistance for worthy and needy students from Meigs County, Ohio.

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 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. One half the income provides assistance to needy students participating in the baseball program; the remaining one half 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 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 McConnelsville, 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. '35 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.

The Philip and Hilja Nast Scholarship Fund in memory of Jane Ann Nast was established in 1982. The fund provides yearly income for scholarships to worthy and needy students. Preference is given to nursing students in either the binary or degree completion programs.

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.

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 Banking and Trust Co. 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 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 Economics, Management, and Accounting 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 3.25. 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 Walterand 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 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 bell-master 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 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 given 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 who 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 is given to an incoming freshman 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 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 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 TarrFamily 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 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 (Sparky) 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 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, Physical Education, and Recreation.

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 Wittlig Family Scholarship Fund was created from bequests of Alfred H. Wittlig, Class of 1921, and his late wife, Constance DeKalb Wittlig; Norman T. Wittlig, Class of 1927; and Paul F. Wittlig, Class of 1933. 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 Heyrock 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. Selection is made by the Department of Biology 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.

Additional scholarship assistance is provided by annual grants from a number of sources, including:

- The AMAX Foundation Scholarship
- The Amoco Foundation Inc. Scholarship
- The R. C. Baker Foundation Scholarship
- The B.F. Goodrich Company Scholarship
- The California Company (Chevron) Scholarship
- The Continental Oil Company Scholarship
- The Ernst & Young Matching Gifts Program
- The Getty Oil Company Scholarship

- The Honda Scholarship
- The Marathon Oil Company Scholarship
- The Bernard McDonough Foundation Scholarship
- The Mobil Scholarship
- The Penzoil Scholarship
- The Procter & Gamble and Timken Teacher Scholarship Program
- The Shell Assists
- The Society Corporation Minority Scholarship
- The Tenneco Scholarship
- The Texaco Scholarship
- The UNOCALScholarship

Prizes

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 Award, established in 1956, is awarded annually to the member of the graduating class who has achieved academic excellence in speech and/or theatre and has exhibited proficiency in the practical application of oral communication skills. The recipient must meet a prescribed scholastic average (minimum of a 3.0) and have completed a minimum of 12 hours of course work in the department. The faculty of the Communication and Theatre Arts Department makes the selection, and, in addition to the cash award given by the sorority, presents the recipient with a year's membership in the 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 cup 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 by the Iota Chapter of Beta Beta Beta to the member of the senior class who, in the judgment of the faculty of the Department of Biology, has done the most meritorious work in biology.

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 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 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 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 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 Harrington Prize, established in 1985 by attorney and novelist William G. Harrington, Class of 1953, Litt.D. 1984, recognizes excellence in writing and reinforces the goals and cross disciplinary spirit of the College's communication skills requirement. The annual cash prize is awarded at Commencement to the student who has evidenced continued quality in writing as demonstrated by a portfolio of writing including work completed over a two-to three-year period, submitted for judgment by members of the English 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 grade point 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 grade point 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 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 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 Outstanding Faculty Award in Continuing Education is given to that member of the faculty regarded as the best classroom teacher and facilitator for continuing education students in the current year. Continuing Education, in consultation with the advisory committee of continuing education students, makes the choice.

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 at Commencement each year to a student who, like Ms. Roush, has high religious ideals and also has distinguished herself or himself in the field of aging.

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 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 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 Economics, Management, and Accounting. The prize, an inscribed plaque, 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 arts 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

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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)

Ms. C. Denise Norris, Director
Website: www.marietta.edu/~arc; 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 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 for students including advising and guidance in collaboration with faculty advisors and related College departments as needed.
- Early intervention system for students having academic difficulty.
- Individual and small group tutoring by appointment.
- Drop-in tutoring and study skills assistance.
- Services for students with disabilities including classroom accommodations and ongoing support.
- Access to computers and educational technology.
- Quiet, relaxed study areas and space for research and collaborative academic gatherings.
- Personal development workshops on study skills, time management, and more.
- Adaptive technology such as the Kurzweil 3000 Scan/Read System, the Dragon Naturally Speaking Voice Dictation Software, and a TTY.
- Resource library of materials and tutorials on general study strategies, time management, learning disabilities and more.
- Centralized system to assist students interested in forming study groups.
- Referrals to other campus resources and outside agencies as needed.

Services for Students with Disabilities

All services for students with disabilities are coordinated through the Academic Resource Center (ARC). 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 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) 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.

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.

The Campus Writing Center

Dr. Tim Catalano, Director
Website: www.marietta.edu/~mcwrite
Thomas Hall - Room 217; (740) 376-4658

The Writing Center describes its mission as providing a collaborative, supportive, and instructional environment where students work closely with peer tutors to strengthen their college-level writing. The staff of the Writing Center is committed to fostering growth and understanding in the writer, and not just in the paper. The Center is open to all students and the only requirement is the student's desire to enrich her or his language skills and become a stronger writer.

The Center provides guidance in every stage and element of the writing process: finding and developing ideas, focus, organization, logic, paragraphing, sentence structure, grammar, punctuation, revising, or proofreading. The primary function of the Center is to conduct 50-minute tutorials; however, drop-in help is also offered on a first-come, first-served basis. Handouts are available on a variety of writing-related topics, while writing software for writers of all levels can be used.

The Career Center

Ms. Kathleen Fisher, Director
<http://mcnet.marietta.edu/~cc>
Gilman Center - Upper Level; (740) 376-4645

The Career Center is a comprehensive office designed to service the career needs of all students and alumni. The Career Center assists students in their career planning and development by offering individual career advising, programming and testing.

Students are encouraged to visit the Career Center for help in choosing a major, finding a summer job, internship, part-time/or full-time employment and graduate schools. A career advisor will work with all students providing exposure to career options through a full service career and occupational library, paper-based interest inventories and computer-based career development tools and Internet resources.

In addition, the Career Center staff works closely with alumni, employers, graduate and professional school personnel, the Volunteer Service Center and Student Employment office to provide options in the placement process.

The Career Center houses many resources, both paper and computer, to find graduate/professional school information and employment opportunities. In addition, The Career Center provides the necessary test materials for application to a variety of graduate and professional programs including: General Record Exam (GRE), Graduate Management Admission Test (GMAT), Law School Admission Test (LSAT), and the PRAXIS (formerly the National Teachers Examination NTE).

Students seeking employment after graduation benefit from workshops on resume writing, job search strategies and interviewing techniques. A popular program, "Wine, Dine and How to Act Fine" covers many of the above topics with the addition of an etiquette seminar and the benefit of having outside speakers and employers participating.

The Career Center co-sponsors, with other institutions, a variety of career fairs throughout the year. The Career Center participates in the Columbus Recruiting Consortium, Teacher Recruitment Consortium, OFIC CareerFest and the Stark County Job Fair to name a few. In addition, The Career Center hosts on-campus employers from business, industry and manufacturing. The Career Center hosts employers such as Unocal, BankOne, Disney, Dietrich Industries, Westfield Companies and Geon as a few examples.

The Career Center maintains a database of employment and internship opportunities year round and informs students of these opportunities via the Job Board, e-mail and newsletters. Students and alumni will also find easily accessible job and internship listings electronically through www.monstertrak.com, and www.jobprospector.com (password issued by the Career Center required).

Credential files and Resume Referral are additional services provided by the Career Center. For information on any of the above, please contact the Career Center, Monday through Friday, 8:30 a.m.-5:00 p.m. To schedule an appointment, please call (740)376-4645.

The Counseling Center

Thomas Hall - Room 222; (740) 376-4651

The Center offers services that enhance the students' abilities to make more informed, personal and academic decisions. Counseling encourages students to engage in new ways of thinking about academic, career, and personal issues. Some of the issues which can profitably be explored with professional counselors in the Center address the adjustment to college life. These issues include study skills, time management, assertiveness, relationships, eating disorders, drug/alcohol problems, and self-esteem.

Federal and state standards for confidentiality are adhered to for all students receiving professional counseling for personal reasons.

The Student Health Center

The Student Health Center, operated through a mutual agreement with The Broughton's Health Center of Marietta Memorial Hospital, is located at 210 Seventh Street 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 physcials, 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 and Leadership office for more information 376-4736

Student Organizations and Activities

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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 honors societies with chapters on the campus, but also the range of co-curricular activities from which a student can select.

Honors 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 arts.
- 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 English 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. Leadership 101, 102, and 203 are counted in group A and Leadership 103, 201 and 202 in group B.

Courses that are not included among the offerings of the departments listed in groups A, B, and C, such as 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. Barbara J. MacHaffie)

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. (Faculty advisor: Professor Ron Loreman)

Alpha Sigma Lambda is a national honor society for non-traditional 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. (Contact Person: Mr. Bill Vincent)

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. Erin Brumbaugh)

Kappa Mu Epsilon, national honorary mathematics society, installed its Ohio Epsilon chapter at Marietta in 1960. Completion of Mathematics 225 and registration in 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.

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: Professor Edward Osborne)

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: Mr. Bill Vincent)

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 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. Carla Scanlan)

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 3.0 overall GPA, a 3.3 GPA in Spanish, must have completed or be enrolled in a 300 level Spanish class, declared a major or minor in Spanish, and have completed at least 9 credit hours of Spanish. (Faculty advisor: Dr Richard Danford)

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. Beverly Hogue)

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 economics, management, and accounting majors. Requirements are 15 hours in EMAcourses 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. (Faculty advisor: Professor Fraser G. MacHaffie)

Greek Letter Societies

Social fraternities, with the dates each Marietta chapter was founded, are: Alpha Tau Omega, 1890; Delta Tau Delta, 1967; Delta Upsilon, 1870; 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.

Delta Upsilon is an international fraternity based on four principles: the promotion of friendship, the development of character, the diffusion of liberal culture, and the advancement of justice. The purpose of the organization is to establish and promote undergraduates to enhance their development and education. Membership is open to all males who will take the oath of initiation.

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 nationally recognized sorority. Sigma Kappa promotes, social, intellectual, and spiritual well-being for all of its members.

Greek Governing Organizations

Greek Council is the governing body of all seven sororities and fraternities. 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. (Contact Person: Bill Vincent)

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. (Contact Person: Bill Vincent)

Panhellenic Council is the governing body of all three (3) 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. (Contact Person: Bill Vincent)

Clubs and Organizations

The Art and Design Club consists of creative students who want to pursue more aspects of art, outside of the classroom. Students interact with each other and gain exposure of all kinds of art both within and outside the College community. Members gain knowledge from local artists and museums along with galleries on a larger scale. One of the main goals of the club is to promote art, such as murals, on the Marietta College campus by working together and sharing ideas.

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 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 Advisors: Dr. Kevin Pate and Dr. Jillian Moncarz)

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!

The Environmental Science/Biology Club's purpose is to increase the awareness of these sciences. The club is affiliated with the College's Environmental Science and Biology Departments, but members do not need to be these majors.

The purpose of the **Black Awareness Society of Marietta College** is to provide capable, representative, and responsible leadership in black student life and activities; to provide a legitimate channel to represent the views of the black student body to the other segments of the College community; and to make the College community aware of other cultures.

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 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 Association of Computing Machinery is open to any student interested in helping to promote an increased knowledge of computers and their applications. The purpose of the organization is to promote the science, design, development, construction, language, and application of modern computing machinery. (Faculty advisor: Dr. David Mader).

The Marietta 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. (Faculty advisor: Dr. Jacqueline DeLaat).

The purpose of the **Feminist Majority Leadership Alliance** of Marietta College is to establish a broad constituency to work in pursuit of feminist ideals, social, political, and economic equality for all women. The Alliance works to educate the College community on feminist issues and takes action on National, campus, and local feminist concerns. (Faculty advisor: Dr. Sandra Kolankiewicz).

The objective of the **French Club (La Table Ronde)** shall be to enhance and promote the study of the French language, culture, and civilization on campus and in the community. The club shall also promote the study of foreign cultures in general and increase awareness of the necessity of linguistic skills. (Faculty advisor: Dr. Ena Vulor).

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 purpose of the **Great Outdoors Club** is to educate students of Marietta College on the topic of outdoor activities. The club provides alternatives in recreation, consisting of adventure and good fun. Skills of various outdoor pursuits, such as camping, hiking, and rafting are developed through instruction and experience during both day and weekend activities.

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 Indian Students' Association is a support group for all new international students. It also helps spread cultural and political awareness about India and other countries of the world.

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.

Philanthropy Connection is a group that shares in community service experiences and shares the experiences and importance of community service with the entire campus. (Faculty advisor: Dr. Sandra Kolankiewicz).

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 activites. (Faculty advisor: Professor Sam Crowther).

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).

Pioneering Partners is a service organization that seeks to increase the service opportunities on the Marietta campus by developing "Alternative Breaks" for students and staff. Pioneering Partners encourages students and staff to become involved with service over the fall and spring breaks by attending service-centered trips. Pioneering Partners provides a unique service learning experience that will not only enhance the liberal arts education, but also provide a valuable service to neighboring communities. (Faculty advisor: Dr. Michael Tager).

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. Daniel Huck).

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. (Faculty advisor: Dr. Carla Scanlan).

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 purpose of the **Marietta College Republicans** is to promote Republican ideals/principles on the Marietta College campus, to assist the local and state branches of the party, and to provide a forum where students of like political ideals can work together at strengthening the party. Any person affiliated with the Marietta College community can be a member. (Faculty advisor: Dr. Jacqueline DeLaat).

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. (Currently Active).

RA Council is an organization composed of Resident Assistants from each residence hall on campus. The purpose is to improve communication between Residence Life professional staff and Resident Assistants as well as to provide an opportunity across campus to share programming ideas and review policies and procedures involving all residents.

Marietta College Ski Club membership is open to all Marietta College students who are interested in the recreational sport of skiing. (Contact Person: Mr. Bill Vincent).

Marietta Campus Ministry is a group of students who are active members of the Episcopal and Lutheran faith joining together to support local congregations. Membership is open to all students of all denominations.

The Marietta College Society for Entrepreneurship and Business strives to raise student's awareness in the areas of entrepreneurship and business by keeping them informed of opportunities in the field. The organization aids in the personal and professional development of students. Activities include bringing speakers to campus, holding workshops, conducting business ventures, and analyzing business opportunities on campus. (Faculty advisor: Professor Grace Johnson).

The Spanish Club is composed of students who actively promote interest in the Spanish language and Hispanic culture. It is open to anyone within or outside of the Spanish Department. (Faculty advisor: Dr. Richard Danford).

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. (Contact person: Ms. Cathy Monteroso).

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. (Student President 2002-2003: Kasey Drennan).

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).

The Marietta Society of Human Resource is a student chapter of the professional organization SHRM. The group's purpose is to inform students of activities that relate to Human Resource Management. The organization also is used as a networking device for graduating students from Marietta College. (Faculty advisor: Dr. Sidney Potash).

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. (Faculty advisor: Dr. Robert W. Chase).

The Marietta College Teacher Education Association (MCTEA) is organized to promote interest in teaching and to encourage the professional growth of its members. Seven or eight meetings are held each semester. Guest speakers make formal presentations at most meetings. (Faculty advisor: Dr. Dottie Erb).

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 Communications and Theatre Arts, Hermann Fine Arts Building.

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, football, golf, lacrosse, soccer, and tennis. Women participate in seven intercollegiate sports: basketball, crew, golf, soccer, softball, tennis, 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. Ban Johnson Field House, the Boathouse, and the track at Don Drumm Stadium provide facilities for a variety of physical activities including

Nutilus/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 Hockey Club organizes on-campus roller hockey and off-campus ice hockey games. The club stresses teamwork and having a good time. Ice time is rented. All play resembles “pick-up” style games where backyard rules apply. All students are welcome and inexperienced players will be taught to improve their skills. (Contact person: Mr. Bill Vincent).

The purpose of the **MC Rugby Club** for men and women is to bring members of the student body closer together who enjoy playing rugby. The club is open to every Marietta College student. Its Executive Committee is made up a President, two Vice-Presidents, a Treasurer, and a Secretary. In addition to funds allocated from the Senate, the team collects membership dues and sponsors fundraisers.

The Marietta College Running Club is an organization that assists runners with their training as well as keeps members informed of upcoming competitive road races. The Running Club motivates members to do things that will keep them in shape, such as nutrition programs and proper exercise techniques.

The purpose of the **MC 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).

Members of the **Dance Team** are students interested in dance and committed to the Marietta College athletic teams. Dances are organized to entertain fans during home football and basketball games.

MC Friends of Rowing Club is an organization that allows any student the opportunity to train and compete in the sport of rowing during the fall, and provides an avenue to prepare for the spring varsity season. (Contact person: Mr. John Bancheri).

The purposes of **Ultimate Frisbee Organization of Marietta College (UFO)** is to bring campus students together to play Ultimate Frisbee in an environment in which great sportsmanship would be exemplified to the point of never needing a referee. UFO shall always engage in such a manner as to promote the College and uphold the strong values associated with it.

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 Theatre Arts, Hermann fine Arts Building.

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.

Women's Choir

The Women's Choir is open to all students and performs a variety of musical styles suitable for female voices and occasionally tours in conjunction with the Concert Choir. 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 or more 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.

Mallet Mania

Marietta College's marimba ensemble is open to all students and performs a variety of musical styles arranged for these percussion instruments. 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 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

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Officers of the Corporation

During the 2001-02 academic year, the following served as officers of the corporation:

Timothy O. Cooper '73, *Chair*
George W. Fenton, *Vice Chair*
Jean A. Scott, *President of the College*
William H. Donnelly '70, *Secretary*
Daniel C. Bryant, *Treasurer*
Pamela A. Sieburg, *Assistant Treasurer and Assistant Secretary*

Trustees of the College

Active Members

The following were members of the Board of Trustees of Marietta College for the 2001-02 academic year:

Class of 2002

Robert D. Bedilion, '70, President & CEO, Venue LLC, Vienna, WV

Jerry A. Brock, President, Theisen Brock, L.P.A., Marietta, OH

Eric S. Dobkin, '64, Chair, Equity Capital Markets, Goldman, Sachs & Co., New York, NY

Kevin M. Henning '69, President, Findlay Development LLC, Findlay, OH

Robert P. Monter, '62, Technology Specialist, Wright Technology Network, Dayton, OH

Class of 2003

Robert M. Brucken, '56, Partner, Baker & Hostetler LLP, Cleveland, OH

Joseph A. Chlapaty, President & COO, Advanced Drainage Systems Inc., Columbus, OH

George W. Fenton, President, Fenton Art Glass Co., Williamstown, WV

John N. Gardner, '65, LL.D. '85, Executive Director, Distinguished Professor of Educational Leadership, Brevard College, Brevard, NC

Terrence M. Morris, '69, Managing Director, T. Morris & Co., Marietta, OH

David W. Worthington, '66, Chairman, TGS-NOPEC Geophysical Company ASA, Houston, TX

Class of 2004

Frank L. Christy, President, Christy & Associates Inc., Marietta, OH

Timothy O. Cooper, '73, Retired Partner, Arthur Andersen LLP, Baltimore, OH

Douglas M. Griebel, '74, Owner-Partner, Shelter-Rupperts Group, New York, NY

Nancy P. Hollister, Representative, Ohio House of Representatives, Columbus, OH
Ross W. Lenhart, '66, Executive V.P., Stein Communications, Atlanta GA
Kean A. Weaver, '84, President & CEO, Triad Resources Inc., Reno, OH

Class of 2005

Robert E. Evans, President & CEO, Peoples Bancorp Inc., Marietta, OH
William E. Mildren, Jr., Vice Chairman, WesBanco Bank, Parkersburg, WV
Anna Bowser Nichols, '87, Office Manager, Gilmer County Urgent Care Inc., Glenville, WV
William F. O'Grady, Jr., '70, Executive V.P., of Distribution, Pioneer Investments, Boston, MA
Leonard M. Randolph, Jr., '65, Major General, Deputy Executive Director, TRICARE Management Activity, Under Secretary of Defense (Personnel and Readiness), US Air Force, Falls Church, VA

Robert E. Showalter, '59, Retired President & CEO, National City Corp., Affiliate Banks, Lexington, KY

Class of 2006

Penelope E. Adams, '72, Freelance TV Producer, Sherman Oaks, CA
Christine L. Burns, '66, Pediatric Ophthalmologist, Specialty Eye Care, Palm Harbor, FL
Nancy J. Cable, '75, Vice President and Dean of Admission and Financial Aid, Davidson College, Davidson, NC
Virginia Buchanan McCoy, Community Volunteer, Parkville, MO
Harry J. Robinson, Jr., '48, President, Bel-Par Realty Company Inc., Marietta, OH
Patricia L. Loreno Willis, '70, President, Bell South Foundation, BellSouth Corporation, Atlanta, GA

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**, Houston TX, 1978, 5 years
- (E) **Gertrude B. Baker**, Marietta, OH, 1971, 15
- (L) **Joseph F. Barletta**, San Francisco, CA, 1980, 5
- (L) **Zane E. Barnes**, St. Louis, MO, 1972, 5
- (L) **Betsey E. Beach**, Chapel Hill, NC, 1981, 10
- (L) **Thomas R. Benua, Jr.**, Columbus, OH, 1988, 5
- (L) **Kenneth P. Bogart**, Hanover, NH, 1996, 5
- (L) **James D. Buckwell**, New Britain, CT, 1990, 5
- (L) **Thomas G. Carbonar**, West Los Angeles, CA, 1992, 5
- (L) **Arne B. Carlson**, India Harbor Beach, FL, 1972, 20
- (L) **Carolyn Osburn Carlson**, India Harbor Beach, FL, 1985, 7.5
- (E) **F. Leonard Christy**, Marietta, OH, 1955, 23
- (L) **William H. Donnelly**, Marietta, OH, 1986, 14
- (L) **Robert R. Dyson**, New York, NY, 1976, 3
- (L) **Ben A. Eaton**, Houston, TX, 1992, 2
- (E) **Harry H. Esbleshade**, Jr., Vienna, WV, 1978, 15
- (L) **Frank M. Fenton**, Williamstown, WV, 1954, 36
- (E) **C. David Ferguson**, Eastlake, OH, 1990, 10
- (L) **Jeanne Clare Feron**, Hightstown, NJ, 1975, 5
- (L) **Gene D. Fry**, Longboat Key, FL, 1971, 7
- (L) **Peggy L. Golden**, St. Simons Island, GA, 1987, 5
- (L) **Aaron L. Handleman**, Washington, DC, 1985, 7
- (L) **John F. Havens**, Naples, FL, 1973, 10

- (L) **Kathleen Ruddy Henrichs**, Evanston, IL, 1971, 4
- (L) **John B. Hexter**, 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 1/2
- (L) **Henry J. Jelinek, Jr.**, Oakville, ON, Canada, 1995, 4
- (E) **Robert D. Johnson**, Marietta, OH, 1978, 14
- (L) **Philip J. Kaszar**, Hudson, OH, 1993, 6
- (E) **W.L. Kinney**, Horseshoe Bay, TX, 1974, 21
- (E) **Richard M. Krause**, Bethesda, MD, 1979, 22
- (L) **Raynald A. Lane**, Springboro, OH, 1970, 8
- (L) **D. Larry Lemasters**, Ponte Vedra, FL, 1989, 6
- (E) **Georgia E. Lesh-Laurie**, Denver, CO, 1979, 15
- (L) **Thomas F. Lugaric**, Upper Montclair, NJ, 1984, 5
- (L) **Creel C. McCormack**, Atlanta, GA, 1993, 5 1/2
- (E) **Charles W. McCoy**, Baton Rouge, LA, 1981, 13
- (E) **John G. McCoy**, Columbus, OH, 1966, 21
- (L) **Charles S. Mechem, Jr.**, Cincinnati, OH, 1971, 9
- (E) **Norman J. Murray**, Marietta, OH, 1962, 18
- (L) **Charles H. Nelson**, Hershey, PA, 1992, 7
- (E) **Charles A. Patten**, Pittsburgh, PA, 1979, 10
- (L) **Jack F. Poe**, Parkersburg, PA, 1977, 5
- (L) **Samuel B. Ross II**, Parkersburg, WV, 1996, 1
- (L) **Charles D. Schmidt**, Amelia Island, FL, 1980, 10

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|---|---|
| (L) Laura A. Baudo Sillerman , New York, NY.
1991, 5 | (L) Kenton C. Tekulve , Pittsburgh, PA, 1995, 5 |
| (L) Ellen E. Snediker , Marietta, OH, 1992, 5 | (E) Elsa E. Thompson , Marietta, OH, 1986, 13 |
| (L) Charles W. Snodgrass , London, England, U.K.,
1981, 5 | (L) R. Peter Toohy , Houston, TX, 1971, 5 |
| (L) Mary Beth Rhoads Sommers , Malvern, PA,
1975, 4 | (L) Dale W. VanVoorhis , Hiram, OH, 1998, 2 1/2 |
| (L) Robert L. Springer, Sr. , Montgomery, TX, 1989, 8 | (E) James T. Wakley , Parkersburg, WV, 1988, 7 1/2 |
| (L) Jeffrey A. Starner , Marietta, OH, 1994, 5 | (E) Walter E. Webber , Portland, ME, 1992, 9 |
| | (L) John A. Weisser, Jr. , Bedford, NY, 1982, 10 |

Faculty of the College

The following faculty members were on the staff of the College for the 2001-02 academic year and are continuing into the 2002-03 year. The section also reflects changes made as of the date of the Catalog for the 2002-03 year. The dates following the title are the year the individual joined the Marietta College staff, not necessarily the date of the current position. Some members of the faculty also hold administrative positions, which are listed separately.

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

Jeanne Arbuckle

Head Women's Softball Coach, Instructor of Health and Physical Education, 1987
B.S. Slippery Rock University

Mark A. Bagshaw

Professor of Management and Leadership, 1993
B.A., Ed.D. Pennsylvania State University, M.Phil. Yale University

John Bancheri

Head Men's Crew Coach, Instructor of Health and Physical Education, 1994
B.A. University of Charleston

Mary Valaik Barnas

Associate Professor of Psychology, 1994
B.S. Loyola College of Maryland, M.A., Ph.D. West Virginia University

Wendy L. Bartlett

Instructor of Geology, 1999
B.A., B.S. Marietta College, M.S. Texas A&M University

William M. Bauer

Instructor of Education, 2002
B.S., M.Ed. Ohio University, M.A. The Ohio State University

Brian Brewer

Assistant Baseball Coach, Instructor of Health and Physical Education, 1999
B.A. Marietta College, M.Ed. John Carroll University

David Brown

Assistant Professor of Biology, 2002
B.S., M.S. Ohio University, Ph.D. Duke University

Erin Brumbaugh

Associate Professor of Education, 1994
B.A. Fairmount State College, M.A., Ed.D. West Virginia University

Angela L. Burdiss

Automated Systems and Services Librarian, Assistant Professor, 1999
B.S. Bowling Green State University, M.L.S. Kent State University

Timothy D. Catalano

Assistant Professor of English, Director of the Campus Writing Center, 2001
B.A. Wilmington College, M.A. University of Dayton, Ph.D. University of Louisville

Robert W. Chase

Benedum Professor of Petroleum Engineering, 1978
B.S., M.S., Ph.D. Pennsylvania State University

Miranda Collins

Clinical Coordinator and Instructor in Physician Assistant Studies, 2002
B.S. Alderson-Broaddus College

W. David Cress

Associate Professor of Petroleum Engineering, 1981
B.S. Marietta College, M.S. Iowa State University, Ph.D. Portland State University

Richard E. Crowther, ATC

Assistant Professor of Sports Medicine, 1989
B.S. Bowling Green State University, M.S. University of Arizona

Richard K. Danford

Assistant Professor of Spanish, 1998
B.S., M.A. Ph.D. The Ohio State University

Jacqueline DeLaat

McCoy Professor and Professor of Political Science, 1988
B.A. State University of Iowa, M.A. University of Minnesota, Ph.D. University of Pittsburgh

Gregory J. Delemeester

McCoy Professor, Milton Friedman Professor of Economics, and Associate Professor of Economics, 1986
B.S. Michigan State University, Ph.D. Texas A&M University

Sue DeWine <i>Professor of Organizational Communication, Provost and Dean of the Faculty, 2000</i> B.S., M.A., Miami University, Ph.D. Indiana University	Ryan W. Heasley <i>Assistant Football Coach, 2001</i> B.A. Bethany College
Steven Diamond <i>Head Lacrosse Coach and Assistant Soccer Coach, 2001</i> B.S. Guilford College	Thomas S. Hodson <i>Associate Professor of Mass Media, 2001</i> B.S. Ohio University, J.D. The Ohio State University
Sharon Douglass <i>Reference/Instruction Librarian, Assistant Professor, 2001</i> B.A. Hiram College, M.L.S., Kent State University	Peter E. Hogan <i>Professor of Biology, 1973</i> B.S. Worcester State University, M.S. University of Connecticut, Ph.D. Michigan State University
Chad Edwards <i>Visiting Assistant Professor of Communication, 2002</i> B.A.G.S., M.A. Texas Tech University, Ph.D., University of Kansas	Richard Hoffman <i>Head Mens/Womens Cross-Country and Track Coach, and Instructor of Sports Medicine, 2001</i> B.S. Davis and Elkins College, M.S. Miami University
Debra Sue Eggolf <i>Associate Professor of Chemistry, 1989</i> B.S., Lebanon Valley College, Ph.D. Pennsylvania State University	Beverly J. Hogue <i>Assistant Professor of English, 2001</i> B.A. Asbury College, M.A. University of Kentucky, Ph.D. Bowling Green State University
Gene Epley <i>Head Football Coach, Instructor in Health and Physical Education, 1991</i> B.S. Indiana University of Pennsylvania, M.S. Utah State University	Patrick Holguin <i>Coordinator, Men's and Women's Soccer, 1998</i> Quinnipiac College
Dorothy Erb <i>Associate Professor of Education</i> B.S. Miami University, M.Ed., Ph.D. Ohio University	Daniel Huck <i>Assistant Professor of Leadership, 2001</i> B.A. Bucknell University, J.D. Northeastern University School of Law, Ed.S. Marshall University, Ed.D. West Virginia University
Eric J. Fitch <i>Assistant Professor of Environmental Studies, 1997</i> B.S. St. Meinrad College, M.En. Miami University, Ph.D. Michigan State University	Kenneth J. Itzkowitz <i>Associate Professor of Philosophy, 1989</i> B.A. Vassar College, Ph.D. State University of New York, Stony Brook
Douglas L. Foote <i>Head Men's Basketball Coach, Intramural Fitness Director, Instructor in Health and Physical Education, 1992</i> B.S. Kentucky Christian College, B.A. Morehead State University, M.Ed., Xavier University	Grace F. Johnson <i>McCoy Professor and Associate Professor of Management and Accounting, 1989</i> B.S., M.S. University of South Florida, C.M.A., C.P.A.
Todd A. Foraker <i>Instructor of Sports Medicine, 1999</i> B.S. Marietta College, M.Ed. University of Virginia	Jacqueline Khorassani <i>Assistant Professor of Economics, 1994</i> B.A. College of Mass Communication, Tehran, Iran, M.S. University of Oregon, Ph.D. West Virginia University
David C. Freeman <i>Assistant Professor of Petroleum Engineering, 1992</i> B.S. Marietta College, M.S. University of Oklahoma	Ronda E. King <i>Assistant Professor of Music, 2001</i> B.S., M.Ed. University of Missouri, Ph.D. The Ohio State University
James Fry <i>Assistant Professor of Physician Assistant Studies, 2002</i> B.S. University of Oklahoma, M.S. Alderson-Broaddus College	Sandra Kolankiewicz <i>Associate Professor of Leadership Studies, Director of Experiential/Special Projects, Director of Gender Studies Program</i> B.A., Ph.D., Ohio University, M.A. Johns Hopkins University
Valdis Garoza <i>McCoy Professor and Professor of Art, 1973</i> B.A. State University of New York, Albany, M.F.A. University of Massachusetts	Kenneth Kramer <i>Medical Director and Assistant Professor of Physician Assistant Studies, 2002</i> B.S. Marietta College, M.D. University of Pittsburgh
Constance Golden <i>Professor of Education, 1988</i> B.S., M.A., Ed.D. West Virginia University	Dennis E. Kuhl <i>Assistant Professor of Physics, 2002</i> B.A. College of Wooster, M.S., Ph.D. Michigan State University
Liane Gray-Starner <i>Assistant Professor of Communication, 2001</i> B.A. Wittenberg University, M.A. Western Kentucky University, Ph.D. Ohio University	Debora A. Lazorik <i>Athletic Director, Associate Professor of Health and Physical Education, 1980</i> B.A. College of St. Francis, M.S. George Williams College
Carolyn Hares-Stryker <i>McCoy Professor and Associate Professor of English, 1992</i> B.A. University of California, Santa Barbara, M.A., Ph.D. University of California, Davis	

Dennis Lebec <i>Assistant Professor of Mass Media, 1999</i> B.S., M.A. Kent State University	Sandra B. Neyman <i>College Librarian, Professor, 1968</i> B.A. Marietta College, M.S.L.S. Case Western Reserve University, M.A. Ohio University
Laura J. Little <i>Instructional Technologist, Assistant Professor, 2002</i> B.A., M.A., Ed.D., West Virginia University	James H. O'Donnell, III <i>Andrew U. Thomas Professor of History, 1969</i> B.A. Lambuth College, M.A., Ph.D. Duke University
Ronald Lee Loreman <i>Professor of Communication and Theatre Arts, 1960</i> B.A., M.A. University of Alabama	Mabry M. O'Donnell <i>Professor of Communication and Theatre Arts, 1969</i> B.A. Louisiana State University, M.A. University of Alabama, Ph.D. Bowling Green State University
Kelsey B. Luman <i>Assistant Professor of Petroleum Engineering, 1991</i> B.S., B.S.P.E. Marietta College, M.S. University of Texas, Austin	Edward H. Osborne <i>Professor of Economics, Management and Accounting, 1971</i> B.S., M.B.A. Indiana University, C.P.A.
Barbara J. MacHaffie <i>Israel Ward Andrews and Molly C. Putnam Professor of Religion and Professor of History, 1987</i> B.A. College of Wooster, B.D., Ph.D. University of Edinburgh, Scotland	Kevin L. Pate <i>Assistant Professor of Chemistry, 2001</i> B.S. Otterbein College, Ph.D. Yale University
Fraser Glen MacHaffie <i>Professor of Management and Accounting, 1982</i> 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.	Marybeth Peebles <i>Assistant Professor of English, 2001</i> B.A., Ph.D. University of Illinois, M.S. Indiana University
David G. Mader <i>Professor of Computer Science, 1985</i> B.S. Marian College, M.S., Ph.D. The Ohio State University, M.S. West Virginia College of Graduate Studies	Gamaliel Perruci <i>McCoy Professor and Associate Professor of Leadership, 1999</i> B.A., M.I.J. Baylor University, Ph.D. University of Florida
Ryan K. May <i>Assistant Professor of Psychology, 2002</i> B.A. Anderson University, M.S. The University of Memphis	Roger H. Pitasky <i>Professor of Mathematics, 1970</i> A.B., M.S., Ph.D. Rutgers University
Kathryn McDaniel <i>Assistant Professor of History, 2001</i> A.B. Davidson College, M.A., Ph.D. Vanderbilt University	Sidney Potash <i>Professor of Leadership and Economics, Management and Accounting, 1974</i> B.S. Utica College, M.B.A., Ph.D. State University of New York, Buffalo
Michael J. McNamara <i>Assistant Professor of Mass Media, 2001</i> B.S. Ohio University, M.A.L.L. Marietta College	Stephen M. Rader <i>Professor of Communication and Theatre Arts, 1991</i> B.S. Marietta College, M.A., Ph.D. Ohio University, Ed.D. Indiana University, Bloomington
David G. McShaffrey <i>Associate Professor of Biology, 1989</i> B.S., M.S. University of Akron, Ph.D. Purdue University	Stanley F. Radford <i>Rickey Professor and Associate Professor of Physics, 2001</i> B.S. Michigan State University, Ph.D. Wayne State University
John R. Michel <i>Professor of Mathematics, 1970</i> B.A. University of Missouri, M.S., Ph.D. University of Wisconsin	Janie Rees-Miller <i>Associate Professor of Language and Linguistics, Director of English as a Second Language, 1996</i> B.A. Oberlin College, M.A. American University of Beirut, Lebanon, M.A., Ph.D. State University of New York, Stony Brook
Mark A. Miller <i>Assistant Professor of Mathematics, 1999</i> B.S.E. John Brown University, M.S., Ph.D. University of Colorado at Denver	Carla Scanlan <i>Assistant Professor of Psychology, 2001</i> B.A., B.S. The University of Akron, M.S., Ph.D. Ohio University
Jillian R. Moncarz <i>Assistant Professor of Chemistry, 2001</i> B.S. McGill University, Canada, Ph.D. Dartmouth College	J. Donald Schaly <i>Head Baseball Coach, Associate Professor of Health and Physical Education, 1963</i> B.S. Marietta College, M.Ed. Pennsylvania State University
Daniel G. Monek <i>Assistant Professor of Music, 2000</i> A.A. University of Florida, B.M., B.S. University of South Florida, Ph.D. University of Edinburgh, Scotland	Stephen W. Schwartz <i>Professor of English, Vice President and Dean for Student Life and Leadership, 1964</i> A.B. Wilkes College, A.M. University of Pennsylvania, Ph.D. New York University
Catherine A. Monteroso <i>Head Women's Volleyball Coach, Instructor of Health of Physical Education, 1995</i> B.S. East Tennessee State University, M.Ed. Azusa Pacific University	

Michael D. Seale <i>Rickey Professor and Assistant Professor of Physics, 2001</i> B.A. Wabash College, M.S., Ph.D. The College of William and Mary	Robert C. Tompson, Jr. <i>Assistant Football Coach, Assistant Track Coach, Instructor in Health and Physical Education, 2002</i> B.S. Western Michigan University, M.A. Azusa Pacific University
Sara K. Shute <i>Professor of Philosophy, 1977</i> B.A. University of Missouri, St Louis, Ph.D. Washington University	Luding Tong <i>Assistant Professor of Chinese Language and Literature, 2000</i> B.A. Anhui University, Anhui Province, China, M.A. Southern Illinois University, M.A., Ph.D. Washington University
Mark E. Sibicky <i>Associate Professor of Psychology, 1990</i> B.A. University of Connecticut, M.A. Colgate University, Ph.D. University of Arkansas	Almuth H. Tschunko <i>Associate Professor of Biology, 1986</i> B.S. Tufts University, M.A.T. Cornell University, M.S., Ph.D. University of Michigan
Steven R. Spilatro <i>McCoy Professor and Associate Professor of Biology, 1988</i> B.A. Ohio Wesleyan University, Ph.D. Indiana University	John Tynan <i>Assistant Professor of Mathematics, 2001</i> B.A. Grove City College, M.S. Ohio University
Carol T. Steinhagen <i>Professor of English, 1974</i> B.S. St. Cloud State University, M.A. University of Maryland, Ph.D. University of Illinois	Christina Ullman <i>Assistant Professor of Graphic Arts, 2001</i> B.A. Marietta College, M.S. Ohio University
Gloria M. Stewart <i>Director, Physician Assistant Program and Associate Professor of Physician Assistant Studies</i> B.S. Alderson-Broaddus College, M.S. Springfield College, Ed.D. West Virginia University	Mark Vass <i>Assistant Football Coach, 2002</i>
James Stutzman <i>Head Women's Basketball Coach, Instructor in Health and Physical Education, 2000</i> B.A. Goshen College, M.A. Western Michigan University	Frederick R. Voner <i>Associate Professor of Geology, 1982</i> B.A. University of Maine, M.S., Ph.D. Miami University
Joseph M. Sullivan <i>Assistant Professor of English, 2001</i> B.A. Loras College, M.A. Marquette University, Ph.D. University of Toledo	Ena Cecilia Vulor <i>McCoy Professor and Associate Professor of French Language and Literature, 1993</i> B.A. University of Ghana, M.A., Ph.D. Cornell University
Michael Tager <i>Assistant Professor of Political Science, 1995</i> A.B. Cornell University, M.A., Ph.D. University of North Carolina	Robert G. Walker <i>Professor of Chemistry, 1972</i> B.A. Hiram College, Ph.D. Purdue University
Michael D. Taylor <i>Professor of Leadership and Economics, Management and Accounting, 1977</i> B.A. Carleton College, S.T.B. (B.D.), Ph.D. Harvard University, M.B.A. Ohio University	Suzanne H. Walker <i>Assistant Professor of Communication and Theatre Arts, 1999</i> B.S. University of Indianapolis, M.A. Indiana, Ph.D. Indiana University
J. Peter Thayer <i>Reference/Access Services Librarian, Assistant Professor, 1997</i> B.P.S., B.S. State University of New York, Utica, M.L.S. State University of New York, Albany	Ronald Wright <i>Assistant Professor of Art, 1994</i> B.A. Marietta College, M.F.A. Ohio University
	Xiaoxiong Yi <i>Associate Professor of Political Science, Director of East Asia Initiatives, 1989</i> B.A. Beijing Normal University, China, M.A. Pennsylvania State University, Ph.D. American University
	Matthew Young <i>Assistant Professor of History, Coordinator of Asian Studies, 2000</i> B.A. Kenyon College, M.A., Ph.D. Bowling Green State University

Adjunct Faculty of the College

Cheryl E. Arnold

Department of Psychology, 1998

B.A. Westminster College, M.S., Ph.D. University of Georgia

Paul Bertram, III

Department of Economics, Management and Accounting, 1992

B.S. Marietta College, J.D. Capital University

John Briley

Department of History, Philosophy, Political Science and Religion, 1990

B.A. Harvard College, M.A. University of Connecticut

J. Mitchell Casey

Department of Mass Media, 1999

B.F.A. Ohio State University

Janette R. Corrothers

Department of Music, 2001

B.A. Alderson-Broaddus College, M.M. Shenandoah Conservatory

Elizabeth G. Cummings

Department of Music, 1965

B.M. Ohio Wesleyan University, M.M. Eastman School of Music, University of Rochester

Veronica Freeman

Department of Geology, 1993

B.S. Southwest Missouri State University, M.S. University of Texas at Arlington

Sherman Koons

Department of Art, 1990

B.A. Marietta College

C. Roger Lewis

Department of Economics, Management and Accounting, 1976

B.A. North Carolina State University, M.S. University of North Carolina

Akemi Mahood,

Department of Modern Languages, 1999

A.A. Notre Dame Seishin College, Hiroshima, Japan

Maureen Modesitt

Department of English, 1990

B.A. Marietta College, Ph.D. Ohio University

Wendy Meyers

Department of English and McDonough Center for Leadership and Business, 2000

B.A. Marietta College, M.A. Marshall University

Marilee Morrow

Department of Mass Media, 1998

B.S. Ohio University

Ann Marie Picciano, P.T., A.T.C.

Department of Sports Medicine, 1998

B.S. Marietta College, M.S. University of Indianapolis

Robert G. Rodriguez

Department of Economics, Management and Accounting, 1999

B.A., M.A. San Francisco State University, M.P.H. University of California, Berkeley, M.B.A. Graduate School of Business, St Mary's College, M.S. University of Health Sciences, Chicago Medical School, Ph.D.c University of California, Berkeley, and Wright Institute

Arthur Smith

Department of Mass Media, 1994

B.S.J. Ohio University

Lori Smith

Department of Mass Media, 1999

B.S.J. Ohio University

Vickie Ann Snyder

Department of Modern Languages, 1998

B.S. Ohio University

Jade Thompson

Department of Modern Languages, 1999

B.A. University of Texas

Martha Tipton

McDonough Center for Leadership and Business and Department of Communication and Theatre Arts

B.A. University of Southern Mississippi, M.A. Auburn University, Ph.D. Ohio University

Andrew Stern

Department of Sports Medicine, 1999

B.S. Tennessee State University

Steve Vekich

Department of Mathematics, 1992

B.S. University of Buffalo, M.B.A. Ohio University

Lon S. Vickers

First Year Program, 1997

B.A. University of New Mexico, M.A., Ph.D. University of Northern Colorado

Robert D. Westbrook

Department of Psychology, 1998

B.S., M.S., Ph.D. University of Georgia

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)***Barbara Bernstein***B.S., M.A., M.S., Emerita Professor of Computer Science (1978-1999)***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 P. Brown***B.S., M.S. Ph.D., Emeritus Professor of Biology (1962-89)***William L. Buelow***B.M., M.A., Emeritus Professor of Music (1969-2001)***Robert F. Cayton***A.B., M.S., Ph.D., Emeritus College Librarian and Professor (1961-1989)***Wenyu Cheng***B.A., M.A., Ph.D., Senior Distinguished Professor of the College (1985), Emeritus Professor of Economics (1948-86)***Sherrill Cleland***A.B., A.M., Ph.D., Emeritus President and Professor of Economics (1973-89)***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)***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)***Bert T. Glaze***B.A., M.A., Ph.D., Emeritus Professor of Economics (1966-87)***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)***Owen P. Hawley***A.B., A.M. Emeritus Associate Professor of English (1964-90)***Francis W. Herdman, Jr.***B.A., M.A., Emeritus Hillyer Professor of English (1959-89)***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)***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)***John Douglas McGrew***B.A., B.S., Emeritus Assistant Professor of Computer Science (1988-96)***Jerry L. Montgomery***B.S., M.A., Ed.D., Emeritus Professor of Education (1969-2001)***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)***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)***Lillian Spindler Sinclair***A.B., Emerita Registrar (1923-72)***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)***James L. Stephens***A.B., Emeritus Director of Financial Services (1966-85)***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)

K. Wayne Wall

B.S., M.A., Ph.D., Emeritus Professor of Communication (1966-99)

R. Lee Walp

B.S., M.S., Emeritus Professor of Biology (1931-75)

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., 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 2001-02 academic year, the following served as officers of the College

Jean A. Scott, *President*

Sue DeWine, *Provost and Dean of the Faculty*

Daniel C. Bryant, *Vice President for Administration and Finance*

Gary G. Craig, *Dean of Enrollment Management*

Marcia D. Koester, *Vice President for College Advancement*

Stephen W. Schwartz, *Vice President for Student Life and Leadership*

Administrative Personnel

During the 2001-2002 academic year the following were the administrative personnel of the College. The listing reflects changes made effective the 2002-03 year. The year following their titles is the year they joined the Marietta College staff, not necessarily the date they began their current positions. Some administrators also hold faculty appointments, which are listed separately.

Office of the President

Jean A. Scott, *President of the College, Professor of History*, 2000, A.B. Westhampton College, University of Richmond, M.A., Ph.D. Harvard University,

Jan L. Vaughan-Graham, *Secretary to the President*, 1993

Office of the Provost

Sue DeWine, *Provost and Dean of the Faculty*, 2000, B.S., M.A., Miami University, Ph.D. Indiana University

Pat Bungard, *Executive Secretary to the Provost*, 1993, A.A. Marietta College

Cathy J. Brown, *Director of Graduate Programs and Continuing Education*, 1986, B.S.Ed Kent State University, M.A.L.L. Marietta College

James S. Kendrioski, *Coordinator of International Student Programs*, 2001, B.A. Marietta College

Debora A. Lazorik, *Athletic Director and Professor of Health and Physical Education*, 1980, B.A. College of St. Francis, M.S. George Williams College

Nicole Peloquin, *Sports Information Director*, 2001, B.A. Marietta College

Wendy J. Thieman, *Secretary, Athletics*, 2001

Sandra B. Neyman, *College Librarian*, 1968, B.A. Marietta College, M.S.L.S. Case Western Reserve University, M.A. Ohio University

Barbara A. Binegar, *Library Services Assistant*, 1988

Linda C. Cramer, *Automated Services Assistant, Library*, 1996

Susan T. Dyer, *Library Services Associate*, 1988, B.S. Middle Tennessee State University

Janice K. Pottmeyer, *Secretary to the College Librarian*, 1978, A.A. Marietta College

Linda Showalter, *Library Services Associate, Special Collections*, 1998, B.A. Marietta College

Mary E. Zimmer, *Library Services Associate*, 1977, B.S. The Ohio State University

C. Denise Norris, *Director of the Academic Resource Center*, 1998, B.A., M.A. Marshall University, Ed.S. Marshall University Graduate College

Barbara A. Medlin, *Secretary/Tutor Coordinator, Academic Resource Center*, 1999, A.A.B. Washington State Community College

Roger H. Pitasky, *Registrar and Professor of Mathematics*, 1970, A.B., M.S., Ph.D. Rutgers University

Cheryl A. Arnold, *Records Office Assistant*, 1999, A.A.B. Washington State Community College

Tina K. Perdue, *Records Assistant*, 2000

Beverly Schwartz, *Academic Grants Specialist*, 1989, B.A. Wilkes College, A.M. University of Pennsylvania

Mahendra P. Singh, *Director of Information Technology and Assistant Professor*, 2001, B.S. University of Guyana, M.S. New York Institute of Technology, M.A. New School University

Stephen W. Beck, *Network Technician, Information Technology*, 1982

Jonathan F. Duck, *User Analyst, Information Technology*, 2001, A.A. Washington State Community College

Vicki L. Graham, *Information Technology PC Technician*, 1998

Laura Little, *Instructional Technologist*, 2002, B.A., M.A., Ed.D. West Virginia University

Kenneth L. Nelson, *Intranet Systems Manager*, 1993, B.S. Marietta College

Deborah R. Stödberg, *Coordinator, Information Technology*, 1992, A.A. Marietta College

Wei (Carl) Xie, *Unix Administrator*, 2002, B.S. Xi'An University of Electronic Science & Technology (XiDian University), M.S. TsingHua University

Gloria M. Stewart, *Director and Associate Professor, Physician Assistant Studies Program*, 2002, B.S. Alderson-Broaddus College, M.S. Springfield College, Ed.D. West Virginia University

D. Elaine Addis, *Secretary, Physician Assistant Studies Program*, 1983

Miranda Collins, *Clinical Coordinator and Instructor, Physician Assistant Studies Program*, 2002, B.S. Alderson-Broaddus College

James Fry, *Academic Coordinator and Assistant Professor, Physician Assistant Studies Program*, 2002, B.S. University of Oklahoma, M.S. Alderson-Broaddus College

Kenneth Kramer, *Medical Director and Assistant Professor, Physician Assistant Studies Program*, 2002, B.S. Marietta College, M.D. University of Pittsburgh

Penny L. Rose, *Administrative Assistant, Physician Assistant Studies Program*, 2000

Xiaoxiong Yi, *Director of East Asia Initiatives and Associate Professor of Political Science*, 1989, B.A. Beijing Normal University, China, M.A. Pennsylvania State University, Ph.D. American University

UNDERGRADUATE ACADEMIC DEPARTMENTS

See "Undergraduate Programs of Instruction" section for department chairs

- D. Elaine Addis**, *Secretary, Sports Medicine and Physician Assistant Studies*, 1983
Donna L. Bentley, *Secretary, English and Modern Languages*, 1994
Kathleen T. DeLong, *Secretary, Art and Music*, 1991, B.S. Ohio Valley College
Judith L. Dunn, *Secretary, Chemistry and Biology*, 1979
Gene Gildow, *Academic Technician, Mass Media*, 1999, B.A. Ohio University
Linda J. Gorman, *Secretary, Education*, 1979, A.A. Marietta College
Melissa Grande, *Theatre Technician*, 1994, B.F.A. Ohio University

Barbara S. Hickman, *Secretary, Communication and Theatre Arts*, 1981

- Tanya T. Jarrell**, *Laboratory Coordinator and Lecturer*, 1996, B.S. Marietta College, M.S. Ohio University
Daniel R. Jones, *Academic Technician, Petroleum Engineering*, 1991, A.A.S. Washington Technical College
Jacquelyn B. Lane, *Secretary, Physics, Mathematics, and Computer Science*, 1994
Paula R. Lewis, *Secretary, Economics, Management and Accounting, and History, Philosophy, Political Science, and Religion*, 1996
Susan P. Martin, *Secretary, Petroleum and Geology*, 1995
Ralph E. Matheny, *Technician and Lecturer, Mass Media*, 1971, B.A. Marietta College, M.S. Miami University
Joyce M. Pennington, *Secretary, Mass Media*, 1979

Office of the Vice President for Administration and Finance

Daniel C. Bryant, *Vice President for Administration and Finance*, 2001, B.S. Juniata College, M.G.A. University of Maryland.

Darla Miller, *Executive Secretary to the Vice President for Administration and Finance*, 1998, A.A.B. Washington State Community College

John R. Davis, *Director of Computer Center*, 1995, A.A. Enterprise State Junior College, B.S. Troy State University

Roy D. Johnson, *Systems Manager/Operator, Computer Center*, 1979, A.A. Marietta College

Deborah S. Madison, *Programmer, Computer Center*, 1995, A.A.B. Washington Technical College

Loretta Reams, *Application Programmer Assistant/Data Entry Assistant*, 1991

Victoria A. Ford, *Director of Human Resources*, 1991, B.A. Spring Arbor College, M.A. Michigan State University

Linda L. Stanwick, *Payroll Manager/Human Resources Assistant*, 1999, B.B.A. Ohio University

Pamela A. Sieburg, *Comptroller*, 1981, B.S. University of Illinois, C.P.A.

Lois J. Arnold, *Purchase Order Clerk*, 1989

Donna L. Born, *Accounts Payable Clerk*, 1994, A.A. Marietta College

Carol J. Forbes, *Business Office Manager/Datatel Coordinator*, 1982

Linda L. Marshall, *Student Accounts Coordinator*, 1993

Linda L. Stengel, *Cashier*, 1988

Fred R. Smith, *Director of Physical Plant*, 1999, B.S.C.E. University of Delaware, M.S. University of Colorado

Sharon L. Albert, *Switchboard Operator/Procurement Clerk*, 2001

Verna K. Ball, *Bulk Mail Supervisor*, 1995

Jackie Barth, *Building Services*, 1999

Robert C. Billingsley, *HVAC Engineer*, 1995

Kelly Boyer, *Building Services*, 1998, A.A. Art Institute of Pittsburgh

Darlene Britton, *Building Services*, 2001

Victoria J. Brown, *Mailroom Supervisor*, 1987

Brenda S. Caplinger, *Building Services*, 2001

Midori Clark, *Building Services*, 1999

Rodney L. Delancey, *Building Services*, 1977

Clyde E. Delancy, *Grounds Keeper/Mechanic*, 1986

David M. Gibbs, *HVAC Engineer*; 1986

Richard R. Gibbs, *Building Services*, 2000

Nancy L. Habel, *Director of Building Services*, 1993, B.S.Ed., Ohio University

Susan Hart, *Building Services*, 1998

David P. Hill, *Electrician*, 1989

Mabel I. Hill, *Building Services*, 1990

Sandra K. Hockenberry, *Building Services*, 1993

Leo E. Hupp, *HVAC Coordinator*; 1992

Shelley L. Kendall, *Building Services*, 1996

Linda Kinney, *Building Services*, 1987

Michael Lancaster, *Grounds Keeper*; 1996

David S. Lane, *Assistant Director of Physical Plant*, 1993, B.A. Miami University

Jason D. Mader, *Telecommunications Manager/Technician*, 1996, B.A. Marietta College

Linda R. Meade, *Building Services*, 1978

Sammie D. Meade, *Grounds Keeper*, 1988

Paul D. Miller, *Associate Director of Physical Plant*, 2001, B.S. Fairmont State College

Karen L. Mitchell, *Building Services*, 1984

Gene E. Newlon, *Plumber*, 1997

John H. Newlon, *Mechanic/Welder*, 1972

M. Gale Pierpoint, *Carpenter*, 1981

Irene K. Price, *Building Services*, 1985

Karen L. Reynolds, *Administrative Secretary*, 1987

Brian K. Rouse, *Locksmith*, 1993, B.A. Marietta College
Hideko Sakiyama, *Building Services*, 1991

Timothy A. Simpson, *Boiler Water Technician*, 2001

Nancy J. Smith, *Building Services*, 2001

William D. Smith, *Grounds Keeper*, 2000

Mark A. Theobald, *Building Services*, 2002

Sue E. Thomas, *Building Services*, 2000, A.A.B. Washington State Community College

Kim Thrasher, *Building Services*, 1997

Brenda Treadway, *Building Services*, 1998

Nancy D. Wanze, *Building Services*, 1995

M. Dayle Willey, *Grounds/Disposal*, 1970

Office of the Dean for Enrollment Management

Gary G. Craig, *Dean of Enrollment Management*, 1995.
B.A., M.L.I.S., M.A.T. University of Washington
Miriam Bailey, *Director of College Relations*, 2001, B.S.,
B.A., West Virginia Wesleyan
Carolyn A. Grammer, *Director of Printing and Production*, 1986, B.S.J. Ohio University
Jeffrey S. Moyers, *Supervisor, Print Shop*, 1997
G. Ryan Zundell, *College Art Director*, 1997, B.A.
Marietta College, M.A. West Virginia University
James T. Begany *Director of Student Financial Services, Director of Institutional Research, Assistant Dean of Enrollment Management*, 1996, B.S. Ohio University
Peggy M. Arnold, *Assistant, Student Financial Services*, 1989
Laura L. Pytlik, *Office Assistant*, 2002
Sarah B. Rossello, *Associate Director of Student Financial Services*, 1995, B.A. Gordon College, M.A. Wheaton College Graduate School
Jennifer L. Zide, *Secretary, Student Financial Services*, 2001
Kathleen Fisher, *Director of Student Career Planning*, 1998, B.A. The University of Akron, M.S. Miami University
Kenneth Bailey, *Associate Director, Career Services*, 1997, B.A. West Virginia Wesleyan, M.A. Marshall University
Marilyn Pottmeyer, *Secretary, Career Services*, 1999

Marke M. Vickers, *Director of Admission, Assistant Dean of Enrollment Management*, 1997, B.A. Ohio Wesleyan University, M.A. University of Northern Colorado
Brian Booher, *Assistant Director of Admission*, 2000, B.A. University of Pittsburgh
Bonnie Donnelly, *Marietta Alumni Admission Coordinator*, 2001, B.A. Marietta College
Deborah L. Gernhardt, *Admission Assistant*, 1997
Marjorie K. Goetsch, *Admission Assistant*, 1999
Susan Hart, *Admission Assistant*, 2002
Joanna Henderson, *Associate Director of Admission*, 1995, B.S. University of Vermont, M.A. Dartmouth College, Ed.D. University of Massachusetts/Amherst.
Amanda Herb, *Assistant Director of Admission*, 1999, B.S. Miami University
Cheryl D. Howell, *Campus Visit Coordinator*, 1999, B.S.W. Indiana State University
Tia D. Knowlton, *Assistant Director of Admission*, 1999, B.A. Marietta College
Scott W. McVicar, *Assistant Director of Admission*, 2000, B.A. Marietta College
Sharon A. Warden, *Office Coordinator*, 1991, A.A. Marietta College

Office of the Vice President for College Advancement

Marcia Koester, *Vice President for Advancement*, 1997,
B.A. Grinnell College
Myra L. Reich, *Office Manager*, 1988
Hudson Green, *Director of Planned Giving*, 1998, B.A.
Marietta College
Charles E. Powell, *Director of Major Gifts*, 2001, B.A.
Washington & Jefferson College
Charles J. Dawes, *Assistant Director of Major Gifts*,
1998, B.A. Marietta College, M.A., Ph.D. California
University of Integral Studies
Christy D. Hockenberry, *Secretary*, 2001
Anita K. Stilley, *Director of Alumni Relations*, 2001, B.A.
Marietta College

Cheryl A. Canaday, *Secretary*, 2000, B.S. Ohio
University
Elizabeth R. Tribett, *Assistant Director of Alumni Relations*, 1993, B.A. West Virginia University, B.A.
Glenville State College
Donald E. West, *Director of Annual Giving*, 1998, B.A.
Marietta College
Susan K. Allender, *Assistant Director of Annual Giving*,
2002
Beverly H. Brannock, *Data Coordinator*, 2000, B.A.
Marshall University

Office of the Vice President for Student Life and Leadership

Stephen W. Schwartz, *Vice President and Dean for Student Life and Leadership, and Professor of English*, 1964, A.B. Wilkes College, A.M. University of Pennsylvania, Ph.D. New York University

Joyce L. Murphy, *Administrative Coordinator, McDonough Center for Leadership and Business*, 1993

Sherri L. Crock, *College Counselor*, 2000, B.A. The Ohio State University, M.S.W. Virginia Commonwealth University

Sandra J. Kolankiewicz, *Director of Experiential Education/Special Projects, and Director of Gender Studies*, 1993, B.A., Ph.D. Ohio University, M.A. Johns Hopkins University

Howard D. Korn, *Director of Campus Services and Director of Campus Public Safety*, 1985, B.A. The Ohio State University

Gary B. Bosworth, Jr., *Campus Public Safety Officer*, 1998

Benita Cline, *Sergeant, Campus Public Safety*, 1997, A.A.S. Muskingum Area Technical College

Michael A. Corkran, *Assistant Director of Campus Public Safety (Lieutenant)*, 1991

Samuel J. Delancey, *Campus Public Safety Officer*, 1999

Autumn A Reynolds, *Campus Public Safety Officer*, 2002

Bruce E. Peterson, *Director of Residence Life*, 1991, B.S.Ed. Western Illinois University

Nathan W. Colley, *Resident Director of Marietta Hall*, 2001, B.A. Marietta College

Peggy A. Parsons, *Secretary, Student Life Programs*, 1998

Lon S. Vickers, *Associate Dean of Student Life and Leadership*, 1997, B.A. University of New Mexico, M.A. Colorado State College, Greely, Ph.D. University of Northern Colorado

Linda A. See, *Housing Officer and Executive Secretary*, 1987

William Vincent, *Director of Student Activities and Greek Life*, 1996, B.S. Glenville State College, M.S. Eastern Illinois University

Deanna J. Weaver, *Student Activities and Greek Life Assistant*, 2001, B.A. Marietta College

Student Senate

The following students were elected in April 2002 as officers of the Student Senate:

Student Senate 2002-2003

Kasey W. Drennan, '03, President

Heather T. Dixon, '03, Vice-President

Derek K. Waits, '04, Treasurer

Whom to See About What

(Area code 740)			
Academic Advising		Catalog, Marietta College	
Records Office 211 Irvine Adm. Building	376-4723	Records Office 211 Irvine Adm. Building	376-4723
Academic Records		Check Cashing	
Records Office 211 Irvine Adm. Building	376-4723	Comptroller's Office 209 Irvine Adm. Building	376-4726
Academic Resource Center		Clubs and Organizations	
(ARC) Andrews Hall, 3rd floor	376-4700	Campus Life Programs 106 Andrews Hall	376-4784
Academic Standards Committee		Copiers	
Petitions		Printing and Production Irvine Adm. Building, Lower	
Registrar 211 Irvine Adm. Building	376-4723	376-4727	
Academic Status		Counseling, Academic	
Records Office 211 Irvine Adm. Building	376-4723	Faculty Advisor or Provost Irvine Adm. Building	376-4741
Admission, Undergraduate		Counseling, Personal	
Office of Admission Admissions House	376-4600	Counseling Center 222 Thomas Hall	376-4651
Admissions Tests for Graduate Study		Course Schedule Changes	
Career Center Gilman Center, Upper	376-4645	Records Office 211 Irvine Adm. Building	376-4723
Advanced Placement Credit		Courses Taken Elsewhere	
Records Office 211 Irvine Adm. Building	376-4723	Records Office 211 Irvine Adm. Building	376-4723
Advisor, Change of		Declaration of Major	
Records Office 211 Irvine Adm. Building	376-4723	Records Office 211 Irvine Adm. Building	376-4723
Alumni Addresses		Deferred Payments, Student Accounts	
Advancement 304 Irvine Adm. Building	376-4705	Comptroller's Office 209 Irvine Adm. Building	376-4619
Alumni Programs		Degree Audits	
Alumni Relations 303 Irvine Adm. Building	376-4706	Records Office 211 Irvine Adm. Building	376-4723
Automobile Registration		Dining Services	
Campus Public Safety Fayerweather Hall	376-4611	Marriott Gilman Center	376-4786
Bills, Payment of		Diplomas	
Comptroller's Office 209 Irvine Adm. Building	376-4619	Records Office 211 Irvine Adm. Building	376-4723
Campus Writing Center		Evening Classes	
T. Catalano 217 Thomas Hall	376-4658	Continuing Education 208 Irvine Adm. Building	376-4740
Caps and Gowns		Examinations Schedule, Changes	
Follett Bookstore Gilman Center, Upper	376-4677	Provost Irvine Adm. Building	376-4741
Facilities, Use of			
Campus Life Programs			
Andrews Hall			376-4784
Faculty Advisor, Change of			
Records Office			376-4723
211 Irvine Adm. Building			
Fraternity Information			
Campus Life Programs			
106 Andrews Hall			376-4784
Grade Reports			
Records Office			
211 Irvine Adm. Building			376-4723
Grading Practices			
Provost			
Irvine Adm. Building			376-4741
Graduate Programs:			
Master of Arts in Education (M.A.Ed.)			
Education Department			
101 Erwin Hall			376-4794
Master of Arts in Liberal Learning (M.A.L.L.)			
J. O'Donnell			
111 Thomas Hall			376-4625
Master of Science in Physician Assistant Studies (M.S.P.A.S.)			
G. Stewart			
306 Bartlett Building			376-4458
Graduate School Information			
Departmental Advisor, or			
Career Center			
Gilman Center, Upper			376-4645
Grants-in-Aid			
Student Financial Services			
315 Irvine Adm. Building			376-4712
Greek Life			
Campus Life Programs			
104 Andrews Hall			376-4466
Hometown News Releases			
College Relations			
Irvine Adm., Lower			376-4717
Honors Programs			
C. Hares-Stryker			
307 Thomas Hall			376-4641
Housing Problems			
Residence Life			
108 Andrews Hall			376-4736

I.D. Cards Campus Public Safety Fayerweather Hall	376-4611	Night and Summer Classes Continuing Education 208 Irvine Adm. Building	376-4740	Student Employment Student Financial Services Gilman Center, Upper	376-4501
Instruction and Grading Provost Irvine Adm. Building	376-4741	Organizations and Clubs, Student Campus Life Programs 106 Andrews Hall	376-4784	Student Senate Campus Life Programs Andrews Hall	376-4418
Intercollegiate Athletics Athletic Director Ban Johnson	376-4667	Parking Permits, Parking Tickets Campus Public Safety Fayerweather Hall	376-4611	Study Abroad Programs International Programs 214 Thomas Hall	376-4708
International Programs International Student Office 214 Thomas Hall	376-4708	Paychecks, Student Comptroller's Office 209 Irvine Adm. Building	376-4726	Summer Conferences Campus Public Safety Fayerweather Hall	376-4611
Intramural Sports Intramural Director Ban Johnson	376-4612	Pre-registration Records Office 211 Irvine Adm. Building	376-4723	Teacher Certification Education 101 Erwin Hall	376-4794
Investigative Studies J. Khorassani 104 Thomas Hall	376-4621	Printing, Off Campus Printing and Production Basement, Irvine Adm.	376-4727	Transcripts Records Office 211 Irvine Adm. Building	376-4723
Job Placement, Seniors and Alumni Career Center Gilman Center, Upper	376-4645	Printing, On Campus Offset Basement, Irvine Adm.	376-4610	Transfer Credits Records Office 211 Irvine Adm. Building	376-4723
Late Registration Records Office 211 Irvine Adm. Building	376-4723	Purchasing for College Organizations Comptroller's Office 209 Irvine Adm. Building	376-4613	Veterans' Administration Records Office 211 Irvine Adm. Building	376-4723
Loans, Dean's Emergency Dean of Students 105 Andrews Hall	376-4736	Readmission Office of Admission Admissions House	376-4600	Volunteering Volunteer Service Center Gilman Center, Upper	376-4991
Loans, Short or Long Term Student Financial Services 315 Irvine Adm. Building	376-4712	Registration Information, Academic Records Office 211 Irvine Adm. Building	376-4723	Washington Semester J. DeLaat 316 Thomas Hall	376-4600
Lost and Found Campus Public Safety Fayerweather Hall	376-4611	Residence Hall Administration Residence Life 108 Andrews Hall	376-4736	Withdrawal from College Dean of Students 105 Andrews Hall	376-4736
Mail Service Mail room Gilman Center, Upper	376-4617	Room Assignments Residence Life 108 Andrews Hall	376-4736	Withdrawal from Course Records Office 211 Irvine Adm. Building	376-4723
Major/Minor, Changes of Records Office 211 Irvine Adm. Building	376-4723	Scholarships Student Financial Services 315 Irvine Adm. Building	376-4712	Work Study Student Financial Services 315 Irvine Adm. Building	376-4712
Miller Analogies Test (MAT) Education 101 Erwin Hall	376-4717	Social Events Calendar Campus Life Programs 106 Andrews Hall	376-4784	Writing Center T. Catalano 217 Thomas Hall	376-4658
Minority Affairs Student Life 108 Andrews Hall	376-4736	Social Security Records Office 211 Irvine Adm. Building	376-4723		
News Releases College Relations Irvine Adm. Building, Lower 376-4717		Sorority Info. and Rush Registration Campus Life Programs 104 Andrews Hall	376-4784		
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