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About Marquette University

From the President

At Marquette University, the entire university community is dedicated to the academic success and personal growth of our students. The university’s commitment to academic excellence is complemented by a grounding in the centuries-old Jesuit concept, cura personalis, which calls us to appreciate and respect the individual hopes, desires, aspirations and concerns of all members of the Marquette community.

In this spirit, this bulletin has been created to guide you in planning your academic career and professional development. With its descriptions of academic majors and required courses, study abroad opportunities, services for students and policies, it is here to help you choose the path at Marquette that best suits you, fosters your growth and prepares you for the challenges, rewards, leadership and service that await you when you complete your work here. Use it in the spirit of Father Jacques Marquette, the 17th century Jesuit explorer for whom our university is named. Let his embrace of the unfamiliar, his openness to new opportunities and his strong sense of purpose inspire you as you explore the offerings of this outstanding university.

Rev. Scott R. Pilarz, S.J.
President

From the Provost

This bulletin describes all the practical details of Marquette University programs that you need to know—from the range of majors and courses offered, to the requirements for graduation, to the opportunities for professional development outside of class, to academic policies and procedures. But we also hope that, in reading the bulletin, you begin to understand what makes Marquette such a special place.

Faculty at Marquette take pride in being both teachers and scholars. They believe that those roles are complementary, and that both are essential to your development as an ethical, educated person. You will discover that faculty you consider excellent teachers are often well-regarded researchers and experts in their disciplines. Their commitment to you follows from Marquette’s Ignatian values and vision. Our faculty believe that education is a mode of personal formation, conducted with a respect for the whole person, striving for ethical as well as intellectual excellence and calling for service to others.

A Marquette education asks you to engage the world’s most difficult problems, to develop organizational skills that will help you work effectively in the company of others and to maintain a steady focus on issues of ethics and social responsibility. This is a style of education that has helped generations of Marquette alumni achieve positions of distinction and leadership in virtually every field of endeavor, from law, engineering, business, medicine, education and dentistry, to the sciences, humanities, social sciences and media and performing arts. A Marquette education offers you the opportunity to be the difference in the world, and that is the gift that Marquette’s faculty, students and staff hope to share with you.

John J. Pauly, Ph.D.
Provost

History

Marquette University was founded in 1881 by members of the Society of Jesus, a Catholic religious order established in 1540 by St. Ignatius Loyola. The university is named after Father Jacques Marquette (1637-1675), a French, Jesuit missionary and explorer in North America.

The origins of Marquette University date from 1848 when the Most Rev. John Martin Henni, first bishop of Milwaukee, obtained $16,000 from Guillaume DeBoey, a Belgian, Catholic businessman, to establish a Jesuit college. Bishop Henni petitioned the Jesuits to open a school, Marquette College, in Milwaukee. Because the Jesuits lacked personnel to undertake the project for decades, Marquette College did not open until 1881.

Marquette remained a small liberal arts college for men at North 10th and West State streets until 1907. That year its leaders obtained a university charter from the state of Wisconsin and moved operations to a building just east of the Church of the Gesu, at North 12th Street and West Wisconsin Avenue. That building, Johnston Hall, is the oldest building on the Marquette campus.

Between 1907 and 1913, Marquette expanded to include divisions of medicine, dentistry, nursing, pharmacy, law, business, engineering, music and journalism. In 1909, Marquette became the first Catholic university in the world to offer coeducation as part of its regular undergraduate program.

Following World War II, enrollment at Marquette increased dramatically, as at other American colleges and universities. Demand for graduate and professional education grew. In 1957-58, Marquette became for a short time the largest Catholic university in the nation.

In the 1960s and ’70s, Marquette introduced doctoral programs in various fields, including religious studies, biology, history and chemistry. Since 1990, Marquette has added numerous programs, including degree programs for working adults, which offer courses on campus as well as at satellite locations in southeastern Wisconsin; a part-time law program; an executive master of business administration program; programs in physician assistant studies and exercise science; and a Graduate School of Management.
Today Marquette University has a campus of approximately 90 acres and 60 buildings located near downtown Milwaukee. It consists of 12 colleges and schools:

- Arts and Sciences
- Business Administration
- Communication
- Dentistry
- Education
- Engineering
- Graduate
- Health Sciences
- Law
- Management (Graduate)
- Nursing
- Professional Studies

**Mission Statement**

Marquette University is a Catholic, Jesuit university dedicated to serving God by serving our students and contributing to the advancement of knowledge. Our mission, therefore, is the search for truth, the discovery and sharing of knowledge, the fostering of personal and professional excellence, the promotion of a life of faith, and the development of leadership expressed in service to others.

**Excellence**

Our students, whether traditional or non-traditional, undergraduate, graduate or professional, come to Marquette University to share our commitment to the pursuit of excellence in all things as a lifelong endeavor. They come to join a community whose members — faculty, staff, students, trustees, alumni and friends alike — believe that education must encompass the whole person: spiritual and moral as well as intellectual, the heart as well as the mind. And they come seeking the educational, professional and cultural advantages of a university located in the heart of the city. We, in turn, take seriously our responsibility to foster and support excellence in teaching and research, to keep a Marquette education accessible to a diverse population of students, and to offer personal attention and care to each member of the Marquette community.

**Faith**

As a Catholic university, we are committed to the unfettered pursuit of truth under the mutually illuminating powers of human intelligence and Christian faith. Our Catholic identity is expressed in our choices of curricula, our sponsorship of programs and activities devoted to the cultivation of our religious character, our ecumenical outlook, and our support of Catholic beliefs and values. Precisely because Catholicism at its best seeks to be inclusive, we are open to all who share our mission and seek the truth about God and the world, and we are firmly committed to academic freedom as the necessary precondition for that search. We welcome and benefit enormously from the diversity of seekers within our ranks, even as we freely choose and celebrate our own Catholic identity.

**Leadership**

As a Jesuit university, Marquette embodies the intellectual and religious traditions of the Society of Jesus. Through an academically rigorous, values-centered curriculum, our students receive a firm grounding in the liberal arts, preparation for work in a world of increasing complexity and diversity, and formation for life as ethical and informed leaders in their religious, cultural, professional and civic communities. They work with and learn from faculty who are true teacher-scholars, whose research not only advances the sum of human knowledge, but also informs their teaching, and whose commitment to students is fundamental to their intellectual and professional lives.

**Service**

Through both our academic and co-curricular programs, Marquette strives to develop men and women who will dedicate their lives to the service of others, actively entering into the struggle for a more just society. We expect all members of the Marquette community, whatever their faith traditions, to give concrete expression to their beliefs by giving of themselves in service to those in need.

All this we pursue for the greater glory of God and the common benefit of the human community.

**Vision Statement**

Our vision is to provide a Catholic, Jesuit education that is genuinely transformational, so that our students graduate not simply better educated but better people, and to do so with such excellence that when asked to name the three or four best Catholic universities in America, people will include Marquette as a matter of course.
Statement on Human Dignity and Diversity

As a Catholic, Jesuit university, Marquette recognizes and cherishes the dignity of each individual regardless of age, culture, faith, ethnicity, race, gender, sexual orientation, language, disability or social class. Precisely because Catholicism at its best seeks to be inclusive, we are open to all who share our mission and seek the truth about God and the world. Through our admissions and employment policies and practices, our curricular and co-curricular offerings, and our welcoming and caring campus environment, Marquette seeks to become a more diverse and inclusive academic community dedicated to the promotion of justice.

Our commitment to a diverse university community helps us to achieve excellence by promoting a culture of learning, appreciation and understanding. Each member of the Marquette community is charged to treat everyone with care and respect, and to value and treasure our differences. This call to action is integral to the tradition that we share.

Accreditation

An educational institution is only as strong as the level of excellence that it demands of itself as well as of its faculty and students. Marquette University is accredited by the Higher Learning Commission, a commission of the North Central Association of Colleges and Schools. Marquette University has set consistently high standards for itself that have resulted in accreditation and/or certification of its academic programs from these additional organizations and associations.

These accreditations assure a student that Marquette is recognized and approved by select national and regional educational associations, societies and councils. In addition, a student has the security of knowing that credits earned at Marquette have transfer value to comparable institutions of learning, just as an incoming transfer student learns by checking this list that Marquette can be expected to honor most credits earned at a similarly accredited college or university.

Accreidting Agencies

<table>
<thead>
<tr>
<th>College/School</th>
<th>Name of Agency</th>
<th>Academic Programs</th>
<th>Website</th>
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</thead>
<tbody>
<tr>
<td>Klingler College of Arts and Sciences</td>
<td>American Psychological Association</td>
<td>Graduate Psychology – PhD in Clinical Psychology</td>
<td><a href="http://www.apa.org/">http://www.apa.org/</a></td>
</tr>
</tbody>
</table>
-M.B.A.  
-MS Accounting  
-MS Applied Economics  
-MS Human Resources  
-MS Healthcare Technology Management | http://www.aacsb.edu/                           |
| Diedrich College of Communication  | Accrediting Council on Education in Journalism and Mass Communications (ACEJMC) | -BA in Advertising  
-BA in Broadcast and Electronic Communication  
-BA in Journalism  
-BA in Public Relations  
-MA in Advertising and Public Relations  
-MA in Journalism | http://www2.ku.edu/~acejmc/                     |
<p>| Diedrich College of Communication  | National Association of Schools of Theatre         | BA degree with major in Theatre Arts                                               | <a href="http://nast.arts-accredit.org/">http://nast.arts-accredit.org/</a>   |
| School of Dentistry                | Commission on Dental Accreditation (CODA) of the American Dental Association | DDS, certificate and master’s in advanced specialty education programs in endodontics, orthodontics and dentofacial orthopedics, and prosthodontics, certificate in advanced education in general dentistry. | <a href="http://www.ada.org/117.aspx">http://www.ada.org/117.aspx</a> |
| College of Education               | American Psychological Association                  | Graduate Education – PhD in Counseling Psychology                                   | <a href="http://www.apa.org/">http://www.apa.org/</a>      |</p>
<table>
<thead>
<tr>
<th>College of Education</th>
<th>National Council for Accreditation of Teacher Education (NCATE)</th>
<th>BS degree with majors in elementary/middle education and middle/secondary education</th>
<th>MED degrees in educational administration, elementary education, secondary education</th>
<th>MA degrees in curriculum and instruction, educational policy and foundations, literacy</th>
<th><a href="http://www.ncate.org/">http://www.ncate.org/</a></th>
</tr>
</thead>
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<tr>
<td>College of Engineering</td>
<td>The Biomedical Engineering, BSBE program is accredited by the Engineering Accreditation Commission of ABET</td>
<td>The Civil Engineering, BSCE program is accredited by the Engineering Accreditation Commission of ABET</td>
<td>The Computer Engineering, BSCO program is accredited by the Engineering Accreditation Commission of ABET</td>
<td>The Electrical Engineering, BSEE program is accredited by the Engineering Accreditation Commission of ABET</td>
<td><a href="http://www.abet.org/">http://www.abet.org/</a></td>
</tr>
<tr>
<td>College of Engineering</td>
<td>The Bidomical Engineering, BSBE program is accredited by the Engineering Accreditation Commission of ABET</td>
<td>The Civil Engineering, BSCE program is accredited by the Engineering Accreditation Commission of ABET</td>
<td>The Computer Engineering, BSCO program is accredited by the Engineering Accreditation Commission of ABET</td>
<td>The Electrical Engineering, BSEE program is accredited by the Engineering Accreditation Commission of ABET</td>
<td><a href="http://www.abet.org/">http://www.abet.org/</a></td>
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<td>College of Engineering</td>
<td>The Biomedical Engineering, BSBE program is accredited by the Engineering Accreditation Commission of ABET</td>
<td>The Civil Engineering, BSCE program is accredited by the Engineering Accreditation Commission of ABET</td>
<td>The Computer Engineering, BSCO program is accredited by the Engineering Accreditation Commission of ABET</td>
<td>The Electrical Engineering, BSEE program is accredited by the Engineering Accreditation Commission of ABET</td>
<td><a href="http://www.abet.org/">http://www.abet.org/</a></td>
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<tr>
<td>College of Engineering</td>
<td>The Biomedical Engineering, BSBE program is accredited by the Engineering Accreditation Commission of ABET</td>
<td>The Civil Engineering, BSCE program is accredited by the Engineering Accreditation Commission of ABET</td>
<td>The Computer Engineering, BSCO program is accredited by the Engineering Accreditation Commission of ABET</td>
<td>The Electrical Engineering, BSEE program is accredited by the Engineering Accreditation Commission of ABET</td>
<td><a href="http://www.abet.org/">http://www.abet.org/</a></td>
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<tr>
<td>College of Engineering</td>
<td>The Biomedical Engineering, BSBE program is accredited by the Engineering Accreditation Commission of ABET</td>
<td>The Civil Engineering, BSCE program is accredited by the Engineering Accreditation Commission of ABET</td>
<td>The Computer Engineering, BSCO program is accredited by the Engineering Accreditation Commission of ABET</td>
<td>The Electrical Engineering, BSEE program is accredited by the Engineering Accreditation Commission of ABET</td>
<td><a href="http://www.abet.org/">http://www.abet.org/</a></td>
</tr>
<tr>
<td>College of Health Sciences</td>
<td>Accreditation Review Commission on Education for the Physician Assistant, Inc. (ARC-PA)</td>
<td>Master of Physician Assistant</td>
<td></td>
<td></td>
<td><a href="http://www.arc-pa.org/index.html">http://www.arc-pa.org/index.html</a></td>
</tr>
<tr>
<td>College of Health Sciences</td>
<td>American Society of Exercise Physiologists</td>
<td>BS degree with major in Exercise Physiology</td>
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<td><a href="http://www.as%D0%B5%D0%BF.org/">http://www.asеп.org/</a></td>
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<tr>
<td>College of Health Sciences</td>
<td>Commission on Accreditation of Athletic Training Education (CAATE)</td>
<td>Baccalaureate in Athletic Training</td>
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<td><a href="http://www.caate.net/imis15/caate/">http://www.caate.net/imis15/caate/</a></td>
</tr>
<tr>
<td>College of Health Sciences</td>
<td>Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA) of the American Speech-Language-Hearing Association</td>
<td>MS in Speech-Language Pathology</td>
<td></td>
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<td><a href="http://www.asha.org/academic/accreditation/CAA_overview.htm">http://www.asha.org/academic/accreditation/CAA_overview.htm</a></td>
</tr>
<tr>
<td>College of Health Sciences</td>
<td>National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)</td>
<td>BS degree with major in Clinical Laboratory Sciences</td>
<td></td>
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<td><a href="http://www.naacls.org/">http://www.naacls.org/</a></td>
</tr>
<tr>
<td>Law School</td>
<td>Section of Legal Education and Admissions to the Bar of the American Bar Association</td>
<td>JD</td>
<td></td>
<td></td>
<td><a href="http://www.americanbar.org/groups/legal_education.html">http://www.americanbar.org/groups/legal_education.html</a></td>
</tr>
<tr>
<td>Nursing</td>
<td>Commission on Collegiate Nursing Education</td>
<td>Bachelor of Science in Nursing</td>
<td>Master of Science in Nursing</td>
<td>Doctor in Nursing Practice</td>
<td><a href="http://www.aacn.nche.edu/ccne-accreditation">http://www.aacn.nche.edu/ccne-accreditation</a></td>
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## Certification, Licensure, Credentialing and Other Recognitions

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<tr>
<td>Klingler College of Arts and Sciences</td>
<td>American Chemical Society</td>
<td>BS in Chemistry, Molecular Biology/biochemistry, Chemistry for the Professions</td>
<td><a href="http://portal.acs.org/portal/PublicWebSite/about/governance/committees/training/acsapproved/index.htm">http://portal.acs.org/portal/PublicWebSite/about/governance/committees/training/acsapproved/index.htm</a></td>
</tr>
<tr>
<td>College of Business Administration</td>
<td>Chartered Financial Analyst (CFA) Institute</td>
<td>BS in Finance, Applied Investment Management (AIM). The AIM program is a CFA Program Partner. The partnership designation means that Marquette University offers a degree program that covers at least 70 percent of the CFA Institute’s Program Candidate Body of Knowledge, the CFA Institute Ethical and Professional Standards, and other requirements.</td>
<td><a href="http://www.cfainstitute.org/partners/university/Pages/cfa_program_partners_overview.aspx">http://www.cfainstitute.org/partners/university/Pages/cfa_program_partners_overview.aspx</a></td>
</tr>
<tr>
<td>College of Education</td>
<td>Wisconsin Department of Public Instruction</td>
<td>College of Education: -Licensure programs in administration: superintendent, director of instruction, principal, reading specialist -Licensure programs in teaching: middle childhood-early adolescences; early adolescence-adolescence</td>
<td><a href="http://www.dpi.state.wi.us/">http://www.dpi.state.wi.us/</a></td>
</tr>
<tr>
<td>Graduate School</td>
<td>Commission on Accreditation of Allied Health Education Programs (CAAHEP)</td>
<td>Specialist in Blood Banking (SBB) portion of the Master’s in Transfusion Medicine program. The Master’s in Transfusion Medicine is a collaboration between Marquette University and the BloodCenter of Wisconsin. The first 18 credits, consisting of the SBB program, are completed at the BloodCenter of Wisconsin. An additional 21-22 credits are completed at Marquette University. Marquette University has no direct affiliation with the CAAHEP.</td>
<td><a href="http://www.caahep.org/">http://www.caahep.org/</a></td>
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</table>
Legal Disclosure

Marquette University does not discriminate in any manner contrary to law or justice on the basis of race, color, gender, age, sexual orientation, religion, disability, veteran’s status or national origin in its educational programs or activities, including employment and admissions. At the same time, Marquette cherishes its right and duty to seek and retain personnel who will make a positive contribution to its religious character, goals, and mission in order to enhance the Jesuit, Catholic tradition. Federal laws (Titles VI, VII and IX; the Age Discrimination Act in Employment of 1967 as amended, the Rehabilitation Act of 1973 as amended, the Veteran’s Readjustment Assistance Act of 1974, and the Americans With Disabilities Act of 1990) prohibit such discrimination.

Employee inquiries concerning the application of Section 503 of the Rehabilitation Act of 1973, Section 402 of the Vietnam Era Veteran’s Readjustment Assistance Act of 1974 and Title I of the Americans with Disabilities Act of 1990 may be referred to the Office of Human Resources; Straz Tower; P.O. Box 1881; Milwaukee, WI 53201-1881; (414) 288-7305.

Student inquiries concerning Section 504 of the Rehabilitation Act of 1973 and Title III of the Americans with Disabilities Act of 1990 may be referred to the Office of Student Educational Services; Alumni Memorial Union; P.O. Box 1881; Milwaukee, WI 53201-1881; (414) 288-1645, V/T.

Student and employee inquiries concerning the application of Titles VI, VII, IX the Age Discrimination Acts of 1967 as amended, as well as Executive Order 11246 as amended may be referred to the Affirmative Action Officer; Straz Tower; P.O. Box 1881; Milwaukee, WI 53201-1881; (414) 288-3430.

The Marquette University Board of Trustees approved the Affirmative Action Program, formalizing the university’s position toward human rights. This program reaffirms and specifies action programs to continue the pledge of promotion and equal opportunity for all qualified persons.

Written Agreements

As per Federal Financial Aid regulations, the following is a list of the entities with which Marquette University has a written agreement that enables Marquette students to broaden their educational experience.

Domestic Programs

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<tr>
<th>Name</th>
<th>Location</th>
<th>Sponsoring Academic Unit</th>
<th>Portion of the Program that is delivered by the Entity/Institution</th>
<th>Method of Delivery</th>
<th>Costs Students May be Expected to Incur</th>
</tr>
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<tr>
<td>Medical College of Wisconsin (MCW)</td>
<td>Milwaukee, WI</td>
<td>Law School</td>
<td>9 credits</td>
<td>In person</td>
<td>Students pay the host institution's tuition; there are no additional costs to the student.</td>
</tr>
<tr>
<td>Institution</td>
<td>Location</td>
<td>School</td>
<td>Program Details</td>
<td>Delivery</td>
<td>Additional Costs</td>
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<tr>
<td>Medical College of Wisconsin (MCW)</td>
<td>Wauwatosa, WI</td>
<td>Graduate School</td>
<td>Master’s in Healthcare Technologies Management-33%; Master’s in Bioinformatics-up to 49%; Ph.D. in Biomedical Engineering with Functional Imaging Specialization-40%; all other full-time Ph.D. students- up to 6 credits.</td>
<td>In person</td>
<td>Students pay Marquette tuition; there are no additional costs to the students.</td>
</tr>
<tr>
<td>University of Wisconsin-Milwaukee</td>
<td>Milwaukee, WI</td>
<td>Graduate School</td>
<td>Up to 6 credits.</td>
<td>In person or on-line classes depending on method of delivery that UWM uses.</td>
<td>Students pay Marquette tuition; there are no additional costs to the students.</td>
</tr>
<tr>
<td>The Blood Center of Wisconsin</td>
<td>Milwaukee, WI</td>
<td>Graduate School</td>
<td>MS in Transfusion Medicine 18 out of 38-40 credits are awarded</td>
<td>In person</td>
<td>$4,500.00 total for the entire 18 credits</td>
</tr>
<tr>
<td>General Electric (GE) Edison Systems Engineering Program</td>
<td>Waukesha, WI</td>
<td>Graduate School</td>
<td>Master’s in Electrical and Computer Engineering-30%; Master’s in Biomedical Engineering-18-20%; Master’s in Mechanical Engineering-18-20%</td>
<td>In person</td>
<td>None; this training is required as part of the students’ employment at GE.</td>
</tr>
<tr>
<td>General Electric (GE) Edison Healthcare Software Engineering Program</td>
<td>Barrington, IL and Waukesha, WI</td>
<td>Graduate School</td>
<td>Master’s in Computing-33-40%</td>
<td>In person</td>
<td>None; this training is required as part of the students’ employment at GE.</td>
</tr>
<tr>
<td>General Electric (GE) Edison Aviation Engineering Program</td>
<td>Grand Rapids, MI</td>
<td>Graduate School</td>
<td>Master’s in Computing-33-40%</td>
<td>In person</td>
<td>None; this training is required as part of the students’ employment at GE.</td>
</tr>
<tr>
<td>Midwest Catholic Graduate Schools</td>
<td>Consortium, which includes various locations *</td>
<td>Graduate School</td>
<td>No more than 6 credits.</td>
<td>In person or online, depending on method of delivery that the host institution uses it varies by school; most programs are in person</td>
<td>Tuition is paid at the home institution; there are no additional costs to the students.</td>
</tr>
<tr>
<td>Jesuit Multilateral Agreement - Jesuit MBA</td>
<td>Participants are located throughout the United States **</td>
<td>Graduate School of Management</td>
<td>Depends on the timing of when a student transfers to the new institution; however, it will be less than 50%.</td>
<td>Students pay the tuition at the school into which they transferred; there are no additional costs to the students.</td>
<td></td>
</tr>
<tr>
<td>Milwaukee Institute of Art and Design (MIAD)</td>
<td>Milwaukee, WI</td>
<td>College of Communication</td>
<td>Various; Fine Arts-Motion narrative minor 33-100%; Fine Arts-Graphic Design minor 100%; Fine Arts-Photography minor 100%; Fine Arts-Studio Art minor 83%</td>
<td>In person</td>
<td>Students pay Marquette tuition for the MIAD courses; No additional tuition is charged; however, MIAD courses may have course-specific fees for supplies.</td>
</tr>
<tr>
<td>St. Norbert’s College</td>
<td>De Pere, WI</td>
<td>Graduate School of Management</td>
<td>Master’s in Applied Economics - 20%</td>
<td>In person</td>
<td>Students pay the host institutions tuition; there are no additional costs to the student.</td>
</tr>
</tbody>
</table>
Loyola University Chicago (Chicago, IL); Marquette University (Milwaukee, WI); Notre Dame University (South Bend, IN); Saint Louis University (St. Louis, MI), and any of these institutions international locations.

Boston College; Canisius College; Creighton University; Fairfield University; Fordham University; Gonzaga University; John Carroll University; Loyola Marymount University; Loyola University Chicago; Loyola University Maryland; Loyola University New Orleans; Rockhurst University; Saint Joseph’s University; Saint Louis University; Santa Clara University; Seattle University; University of Detroit Mercy; University of San Francisco; University of Scranton; and Xavier University.

### Study Abroad Programs

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
<th>Sponsoring Marquette Academic Unit</th>
<th>Portion of the Program that is delivered by the Entity/Institution</th>
<th>Method of Delivery</th>
<th>Costs Students May be Expected to Incur</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monash University</td>
<td>Melbourne, Australia</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>$29,040 Additional information is found here: <a href="http://www.mu.edu/abroad/australia-melbourne-monash.shtml">http://www.mu.edu/abroad/australia-melbourne-monash.shtml</a></td>
</tr>
<tr>
<td>Macquarie University</td>
<td>Sydney, Australia</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>$30,885 Additional information is found here: <a href="http://www.mu.edu/abroad/australia-sydney-macquarie.shtml">http://www.mu.edu/abroad/australia-sydney-macquarie.shtml</a></td>
</tr>
<tr>
<td>University of Innsbruck</td>
<td>Innsbruck, Austria</td>
<td>College of Business Administration</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>$30,200 Additional information is found here: <a href="http://business.marquette.edu/departments/intlbus-study-abroad-semester">http://business.marquette.edu/departments/intlbus-study-abroad-semester</a></td>
</tr>
<tr>
<td>Universiteit Antwerpen</td>
<td>Antwerp, Belgium</td>
<td>College of Business Administration</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>$30,317 Additional information is found here: <a href="http://business.marquette.edu/departments/intlbus-study-abroad-semester">http://business.marquette.edu/departments/intlbus-study-abroad-semester</a></td>
</tr>
<tr>
<td>Bolivia: Language and Culture in Cochabamba</td>
<td>Cochabamba, Bolivia</td>
<td>Various</td>
<td>Students typically earn 3-6 credits in the summer term</td>
<td>In person</td>
<td>$7,215 Additional information is found here: <a href="http://www.marquette.edu/abroad/bolivia-cochabamba-summer.shtml">http://www.marquette.edu/abroad/bolivia-cochabamba-summer.shtml</a></td>
</tr>
<tr>
<td>Laval University</td>
<td>Quebec, Canada</td>
<td>Office of International Education</td>
<td>Students typically earn 6 credits in the summer term.</td>
<td>In person</td>
<td>Varies by session. Additional information is found here: <a href="http://www.mu.edu/abroad/canada-quebec-laval.shtml">http://www.mu.edu/abroad/canada-quebec-laval.shtml</a></td>
</tr>
<tr>
<td>Marquette en Chile</td>
<td>Santiago, Chile</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>$26,660 Additional information is found here: <a href="http://www.mu.edu/abroad/chile-santiago-mu.shtml">http://www.mu.edu/abroad/chile-santiago-mu.shtml</a></td>
</tr>
<tr>
<td>BIT (Beijing Institute of Beijing Technology)</td>
<td>BIT (Beijing Institute of Beijing, China</td>
<td>College of Business Administration</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>$27,950 Additional information is found here: <a href="http://business.marquette.edu/study-abroad">http://business.marquette.edu/study-abroad</a></td>
</tr>
<tr>
<td>Institution</td>
<td>Location</td>
<td>College/Department</td>
<td>Credit Information</td>
<td>Tuition Cost</td>
<td>Additional Information</td>
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</tr>
<tr>
<td>Peking University</td>
<td>Beijing, China</td>
<td>College of Business Administration</td>
<td>Students typically earn 3-9 credits in the summer term.</td>
<td>$5,161 Varies by credit load. Additional information is found here: <a href="http://business.marquette.edu/departments/intlbus-study-abroad-semester">http://business.marquette.edu/departments/intlbus-study-abroad-semester</a></td>
<td></td>
</tr>
<tr>
<td>Peking University, Guanghua School of Management</td>
<td>Beijing, China</td>
<td>College of Business Administration</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>$27,350 Additional information is found here: <a href="http://business.marquette.edu/departments/intlbus-study-abroad-semester">http://business.marquette.edu/departments/intlbus-study-abroad-semester</a></td>
<td></td>
</tr>
<tr>
<td>The Beijing Center for Chinese Studies</td>
<td>Beijing, China</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>$24,028 Additional information is found here: <a href="http://www.mu.edu/abroad/china-beijing-tbc.shtml">http://www.mu.edu/abroad/china-beijing-tbc.shtml</a></td>
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<tr>
<td>The Beijing Center for Chinese Studies</td>
<td>Beijing, China</td>
<td>Office of International Education</td>
<td>Students typically earn 6 credits in the summer term.</td>
<td>$8,924; student pay the program directly. Additional information is found here: <a href="http://www.mu.edu/abroad/china-beijing-tbc.shtml">http://www.mu.edu/abroad/china-beijing-tbc.shtml</a></td>
<td></td>
</tr>
<tr>
<td>Tongji University</td>
<td>Shanghai, China</td>
<td>College of Business Administration</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>$27,950 Additional information is found here: <a href="http://business.marquette.edu/departments/intlbus-study-abroad-semester">http://business.marquette.edu/departments/intlbus-study-abroad-semester</a></td>
<td></td>
</tr>
<tr>
<td>University of Copenhagen</td>
<td>Copenhagen, Denmark</td>
<td>Office of International Education</td>
<td>For graduate students only; Students earn one semester’s worth of credit, typically 6-9 credits.</td>
<td>$25,620 Additional information is found here: marquette.edu/abroad/where.shtml</td>
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<tr>
<td>University of Southern Denmark</td>
<td>Sonderborg, Denmark</td>
<td>College of Business Administration</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>$30,500 Additional information is found here: business.marquette.edu/departments/intlbus-study-abroad-semester#denmark</td>
<td></td>
</tr>
<tr>
<td>American University in Cairo, Egypt</td>
<td>Cairo, Egypt</td>
<td>Office of International Education</td>
<td>Students typically earn 6 credits in the summer term.</td>
<td>$9,371; students pay program directly. Additional information is found here: <a href="http://www.mu.edu/abroad/egypt-cairo-auc.shtml">http://www.mu.edu/abroad/egypt-cairo-auc.shtml</a></td>
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<tr>
<td>American University in Cairo, Egypt</td>
<td>Cairo, Egypt</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>$25,513 Additional information is found here: <a href="http://www.mu.edu/abroad/egypt-cairo-auc.shtml">http://www.mu.edu/abroad/egypt-cairo-auc.shtml</a></td>
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</tr>
<tr>
<td>Casa de la Solidarida</td>
<td>San Salvador, El Salvador</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>$23,552 Additional information is found here: <a href="http://www.mu.edu/abroad/el-salvador-san-salvador-scu.shtml">http://www.mu.edu/abroad/el-salvador-san-salvador-scu.shtml</a></td>
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</tr>
<tr>
<td>University of Birmingham</td>
<td>Birmingham, England</td>
<td>College of Business Administration</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>$27,720 Additional information is found here: <a href="http://business.marquette.edu/departments/intlbus-study-abroad-semester">http://business.marquette.edu/departments/intlbus-study-abroad-semester</a></td>
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<tr>
<td>University of Kent</td>
<td>Caterbury, England</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>$18,836; students pay program directly. Additional information is found here: <a href="http://www.mu.edu/abroad/england-canterbury-kent.shtml">http://www.mu.edu/abroad/england-canterbury-kent.shtml</a></td>
</tr>
<tr>
<td>City University</td>
<td>London, England</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>$30,518 Additional information is found here: <a href="http://www.mu.edu/abroad/england-london-cu.shtml">http://www.mu.edu/abroad/england-london-cu.shtml</a></td>
</tr>
<tr>
<td>Kings College</td>
<td>London, England</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>$26,248 Additional information is found here: <a href="http://www.mu.edu/abroad/england-london-kings.shtml">http://www.mu.edu/abroad/england-london-kings.shtml</a></td>
</tr>
<tr>
<td>Kings College Summer Program</td>
<td>London, England</td>
<td>Office of International Education</td>
<td>Students typically earn 3-6 credits in the summer term.</td>
<td>In person</td>
<td>Varies by credit load; students pay program directly. Additional information is found here: <a href="http://www.mu.edu/abroad/england-london-kings.shtml">http://www.mu.edu/abroad/england-london-kings.shtml</a></td>
</tr>
<tr>
<td>St. Mary’s-Twickenham</td>
<td>London, England</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>$24,948 Additional information is found here: <a href="http://www.mu.edu/abroad/england-london-st-marys.shtml">http://www.mu.edu/abroad/england-london-st-marys.shtml</a></td>
</tr>
<tr>
<td>European Summer Program at Lille Catholic University</td>
<td>Lille, France</td>
<td>Office of International Education</td>
<td>Students typically earn 5-9 credits in the summer term.</td>
<td>In person</td>
<td>Varies by credit load; subjects studied; students pay program directly. Additional information is found here: <a href="http://www.marquette.edu/abroad/france-lille.shtml">http://www.marquette.edu/abroad/france-lille.shtml</a></td>
</tr>
<tr>
<td>Universite Catholique de Lille</td>
<td>Lille, France</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>$30,835 Additional information is found here: <a href="http://www.marquette.edu/abroad/france-lille.shtml">http://www.marquette.edu/abroad/france-lille.shtml</a></td>
</tr>
<tr>
<td>Universite Catholique de Lyon</td>
<td>Lyon, France</td>
<td>College of Business Administration</td>
<td>Students typically earn 6 credits in the summer term.</td>
<td>In person</td>
<td>$7,937 Additional information is found here: <a href="http://business.marquette.edu/departments/intlbus-study-abroad-semester">http://business.marquette.edu/departments/intlbus-study-abroad-semester</a></td>
</tr>
<tr>
<td>Institution</td>
<td>Location</td>
<td>College or Office</td>
<td>Credit Information</td>
<td>Tuition</td>
<td>Additional Information</td>
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</tr>
<tr>
<td>Université Catholique de Lyon</td>
<td>Lyon, France</td>
<td>College of Business Administration</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>$30,435</td>
<td><a href="http://business.marquette.edu/departments/intlbus-study-abroad-semester">Link</a></td>
</tr>
<tr>
<td>Institut Catholique de Paris</td>
<td>Paris, France</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>$30,628</td>
<td><a href="http://www.marquette.edu/abroad/france-paris-catholique.shtml">Link</a></td>
</tr>
<tr>
<td>Institut Catholique Paris Summer</td>
<td>Paris, France</td>
<td>Office of International Education</td>
<td>Students typically earn 6-9 credits in the summer term.</td>
<td>$5,752</td>
<td>Varies by credit load/subjects studied; students pay program directly. Additional information is found here: <a href="http://www.marquette.edu/abroad/france-paris-catholique.shtml">Link</a></td>
</tr>
<tr>
<td>Pole, ESG</td>
<td>Paris, France</td>
<td>College of Business Administration</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>$30,885</td>
<td><a href="http://business.marquette.edu/departments/intlbus-study-abroad-semester">Link</a></td>
</tr>
<tr>
<td>Sciences-Po</td>
<td>Paris, France</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>$30,628</td>
<td><a href="http://www.mu.edu/abroad/france-paris-sciences-po.shtml">Link</a></td>
</tr>
<tr>
<td>Université de Poitiers</td>
<td>Poitiers, France</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>$28,128</td>
<td><a href="http://law.marquette.edu/programs-degrees/university-poitiers">Link</a></td>
</tr>
<tr>
<td>EM Strasbourg</td>
<td>Strasbourg, France</td>
<td>College of Business Administration</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>$30,335</td>
<td><a href="http://business.marquette.edu/departments/intlbus-study-abroad-semester">Link</a></td>
</tr>
<tr>
<td>EM Strasbourg</td>
<td>Strasbourg, France</td>
<td>College of Business Administration</td>
<td>Students typically earn 7 credits in the summer term.</td>
<td>$7,397</td>
<td><a href="http://business.marquette.edu/departments/intlbus-study-abroad-semester">Link</a></td>
</tr>
<tr>
<td>IIK Dusseldorf</td>
<td>Dusseldorf, Germany</td>
<td>Office of International Education</td>
<td>Students typically earn 6-9 credits in the summer term.</td>
<td>$4,447; students pay program directly. Additional information is found here: <a href="http://www.mu.edu/abroad/germany-dusseldorf-iik.shtml">Link</a></td>
<td><strong>Note:</strong> The tuition for IIK Dusseldorf is $4,447. Students pay program directly. Additional information is found here: <a href="http://www.mu.edu/abroad/germany-dusseldorf-iik.shtml">Link</a></td>
</tr>
<tr>
<td>Institution</td>
<td>Location</td>
<td>Department</td>
<td>Credit Policy</td>
<td>Fee</td>
<td>Additional Information</td>
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<tr>
<td>Catholic University of Eichstatt/Ingolstadt</td>
<td>Eichstaett, Germany</td>
<td>College of Business Administration</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>$30,365</td>
<td><a href="http://business.marquette.edu/departments/intlbus-study-abroad-semester">Additional information found here</a></td>
</tr>
<tr>
<td>Goethe University</td>
<td>Frankfurt, Germany</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>$28,665</td>
<td><a href="http://www.mu.edu/abroad/germany-frankfurt-goethe.shtml">Additional information found here</a></td>
</tr>
<tr>
<td>Philipps Universitat</td>
<td>Marburg, Germany</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>$28,633</td>
<td><a href="http://www.mu.edu/abroad/germany-marburg-pum.shtml">Additional information found here</a></td>
</tr>
<tr>
<td>Hong Kong Institute of Education</td>
<td>Tai Po, Hong Kong</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>$24,247</td>
<td><a href="http://www.marquette.edu/abroad/china-hongkong.shtml">Additional information found here</a></td>
</tr>
<tr>
<td>Management Development Institute</td>
<td>Gurgaon, India</td>
<td>College of Business Administration</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>$26,926</td>
<td><a href="http://business.marquette.edu/departments/intlbus-study-abroad-semester">Additional information found here</a></td>
</tr>
<tr>
<td>University College Dublin</td>
<td>Dublin, Ireland</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>$27,698</td>
<td><a href="http://www.mu.edu/abroad/ireland-dublin-ucd.shtml">Additional information found here</a></td>
</tr>
<tr>
<td>National University of Ireland</td>
<td>Galway, Ireland</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>$27,318</td>
<td><a href="http://www.mu.edu/abroad/ireland-galway-nui.shtml">Additional information found here</a></td>
</tr>
<tr>
<td>National University of Ireland, Galway</td>
<td>Galway, Ireland</td>
<td>Office of International Education</td>
<td>Students typically earn 6 credits in the summer term.</td>
<td>$6,827</td>
<td><a href="http://www.mu.edu/abroad/ireland-galway-nui.shtml">Additional information found here</a></td>
</tr>
<tr>
<td>Gonzaga in Florence Summer Program</td>
<td>Florence, Italy</td>
<td>Office of International Education</td>
<td>Students typically earn 6 credits in the summer term.</td>
<td>$11,143</td>
<td><a href="http://www.mu.edu/abroad/italy-florence-gonzaga.shtml">Additional information found here</a></td>
</tr>
<tr>
<td>Institution</td>
<td>City, Country</td>
<td>Office of International Education</td>
<td>Students earn one semester's worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>Fee (in USD)</td>
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<tr>
<td>Gonzaga University</td>
<td>Florence, Italy</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>$30,636 (fall) or $29,886 (Spring); students pay the program directly. Additional information is found here: <a href="http://www.mu.edu/abroad/italy-florence-gonzaga.shtml">http://www.mu.edu/abroad/italy-florence-gonzaga.shtml</a></td>
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<tr>
<td>Universita Cattolica del Milani, Italy Sacro Cuore</td>
<td>Milan, Italy</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>$28,330; students pay program directly. Additional information is found here: <a href="http://www.marquette.edu/abroad/italy-milan-ucsc.shtml">http://www.marquette.edu/abroad/italy-milan-ucsc.shtml</a></td>
</tr>
<tr>
<td>John Cabot University</td>
<td>Rome, Italy</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>$29,448 Additional information is found here: <a href="http://www.mu.edu/abroad/italy-rome-jcu.shtml">http://www.mu.edu/abroad/italy-rome-jcu.shtml</a></td>
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<tr>
<td>John Cabot University Summer Program</td>
<td>Rome, Italy</td>
<td>Office of International Education</td>
<td>Students typically earn 3-12 credits in the summer term.</td>
<td>In person</td>
<td>Varies by credit load; students pay program directly. Additional information is found here: <a href="http://www.mu.edu/abroad/italy-rome-jcu.shtml">http://www.mu.edu/abroad/italy-rome-jcu.shtml</a></td>
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<tr>
<td>John Felice Rome Center</td>
<td>Rome, Italy</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>$27,113 Additional information is found here: <a href="http://www.mu.edu/abroad/italy-rome-center.shtml">http://www.mu.edu/abroad/italy-rome-center.shtml</a></td>
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<tr>
<td>Loyola Rome Center</td>
<td>Rome, Italy</td>
<td>Office of International Education</td>
<td>Students typically earn 3-12 credits in the summer term.</td>
<td>In person</td>
<td>Varies by credit load; students pay program directly. Additional information is found here:<a href="http://www.mu.edu/abroad/italy-rome-center.shtml">http://www.mu.edu/abroad/italy-rome-center.shtml</a></td>
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<tr>
<td>Sophia University</td>
<td>Tokyo, Japan</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>$31,045 Additional information is found here: <a href="http://www.mu.edu/abroad/japan-tokyo-su.shtml">http://www.mu.edu/abroad/japan-tokyo-su.shtml</a></td>
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<tr>
<td>Sophia University Summer Program</td>
<td>Tokyo, Japan</td>
<td>Office of International Education</td>
<td>Students typically earn 6 credits in the summer term.</td>
<td>In person</td>
<td>$8,877 Additional information is found here: <a href="http://www.mu.edu/abroad/japan-tokyo-su.shtml">http://www.mu.edu/abroad/japan-tokyo-su.shtml</a></td>
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<tr>
<td>Universidad Iberoamericana</td>
<td>Mexico City, Mexico</td>
<td>College of Business Administration</td>
<td>Students typically earn 3-6 credits in the summer term.</td>
<td>In person</td>
<td>Varies by credit load; students pay the program directly. Additional information is found here: <a href="http://business.marquette.edu/departments/intlbus/study-abroad-semester">http://business.marquette.edu/departments/intlbus/study-abroad-semester</a></td>
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<td>Location</td>
<td>City, Country</td>
<td>Office of International Education</td>
<td>Credit Information</td>
<td>In person</td>
<td>Cost Information</td>
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<tr>
<td>Tecnologico de Monterrey</td>
<td>Various cities, Mexico</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>Varies by location. $24,703 Additional information is found here: <a href="http://www.marquette.edu/abroad/mexico-tec-de-monterrey-itesm.shtml">http://www.marquette.edu/abroad/mexico-tec-de-monterrey-itesm.shtml</a></td>
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<td>AMIDEAST Rabat</td>
<td>Rabat, Morocco</td>
<td>Office of International Education</td>
<td>Students typically earn 3-6 credits in the summer term.</td>
<td>In person</td>
<td>$6,979 (3 credits) or $11,279 (6 credits); students pay program directly. Additional information is found here: <a href="http://www.mu.edu/abroad/morocco-rabat-ae.shtml">http://www.mu.edu/abroad/morocco-rabat-ae.shtml</a></td>
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<tr>
<td>South Africa Service Learning Program</td>
<td>Bellville, Republic of South Africa</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>$28,729 Additional information is found here: <a href="http://www.mu.edu/abroad/southafrica.shtml">http://www.mu.edu/abroad/southafrica.shtml</a></td>
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<td>Sogang University</td>
<td>Seoul, South Korea</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>$25,178 Additional information is found here: <a href="http://www.mu.edu/abroad/south-korea-seoul-su.shtml">http://www.mu.edu/abroad/south-korea-seoul-su.shtml</a></td>
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<td>Sogang University Summer Program</td>
<td>Seoul, South Korea</td>
<td>Office of International Education</td>
<td>Students typically earn 6-9 credits in the summer term.</td>
<td>In person</td>
<td>Varies by credit load. Additional information is found here: <a href="http://www.mu.edu/abroad/south-korea-seoul-su.shtml">http://www.mu.edu/abroad/south-korea-seoul-su.shtml</a></td>
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<tr>
<td>IQS-Universitat Ramon Llull</td>
<td>Barcelona, Spain</td>
<td>College of Business Administration</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>$30,390 Additional information is found here: <a href="http://business.marquette.edu/departments/intlbus-study-abroad-semester">http://business.marquette.edu/departments/intlbus-study-abroad-semester</a></td>
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<td>ETEA</td>
<td>Cordoba, Spain</td>
<td>College of Business Administration</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>$29,990 Additional information is found here: <a href="http://business.marquette.edu/departments/intlbus-study-abroad-semester">http://business.marquette.edu/departments/intlbus-study-abroad-semester</a></td>
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<td>ICADE Summer Program</td>
<td>Madrid, Spain</td>
<td>College of Business Administration</td>
<td>Students typically earn 6 credits in the summer term.</td>
<td>In person</td>
<td>$6,197 Additional information is found here: <a href="http://business.marquette.edu/departments/intlbus-study-abroad-semester">http://business.marquette.edu/departments/intlbus-study-abroad-semester</a></td>
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<tr>
<td>Marquette en Madrid</td>
<td>Madrid, Spain</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>$21,733 (home stay) or $19,233 (apartment) Additional information is found here: <a href="http://www.mu.edu/abroad/madrid.shtml">http://www.mu.edu/abroad/madrid.shtml</a></td>
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<tr>
<td>Universidad Pontifica Comillas, ICADE</td>
<td>Madrid, Spain</td>
<td>College of Business Administration</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>$30,440 Additional information is found here: <a href="http://business.marquette.edu/departments/intlbus-study-abroad-semester">http://business.marquette.edu/departments/intlbus-study-abroad-semester</a></td>
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<tr>
<td>Universidad de Duesto San Sebastian, Spain</td>
<td>College of Business Administration</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>$30,440 Additional information is found here: <a href="http://business.marquette.edu/departments/intlbus-study-abroad-semester">http://business.marquette.edu/departments/intlbus-study-abroad-semester</a></td>
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<tr>
<td>Center for Education Abroad at Arcadia University</td>
<td>Various locations</td>
<td>Office of International Education</td>
<td>Students typically earn 3-9 credits in the summer term.</td>
<td>In person</td>
<td>Varies by program; students pay program directly. Additional information is found here: <a href="http://www.arcadia.edu/abroad/">www.arcadia.edu/abroad/</a></td>
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<tr>
<td>Center for Education Abroad at Arcadia University</td>
<td>Various locations</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>Varies by program; students pay the program directly. Additional information is found here: <a href="http://arcadia.edu/abroad/">http://arcadia.edu/abroad/</a></td>
</tr>
<tr>
<td>ISU Hessen</td>
<td>Various locations</td>
<td>Office of International Education</td>
<td>Students typically earn 6 credits in the summer term.</td>
<td>In person</td>
<td>Varies by location; students pay program directly. Additional information is found here: <a href="http://www.mu.edu/abroad/germany-hessen-isu.shtml">http://www.mu.edu/abroad/germany-hessen-isu.shtml</a></td>
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<tr>
<td>NARETI Biomedical Engineering Exchange</td>
<td>Various locations</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>Varies by location. $28,002 Additional information is found here: <a href="http://www.mu.edu/abroad/nareti-engineering.shtml">http://www.mu.edu/abroad/nareti-engineering.shtml</a></td>
</tr>
<tr>
<td>School for International Training (SIT)</td>
<td>Various locations</td>
<td>Office of International Education</td>
<td>Students earn one semester’s worth of credit, typically 12-18 credits.</td>
<td>In person</td>
<td>Varies by program; students pay program directly. Additional information is found here: sit.edu/studyabroad/studyabroad.htm</td>
</tr>
<tr>
<td>School for International Training (SIT)</td>
<td>Various locations</td>
<td>Office of International Education</td>
<td>Students typically earn 3-9 credits in the summer term.</td>
<td>In person</td>
<td>Varies by program; students pay program directly. Additional information is found here: sit.edu/studyabroad/studyabroad.htm</td>
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</tbody>
</table>
Graduate School Bulletin

From the Vice Provost for Research and Dean of the Graduate School

Welcome!

Marquette University offers a broad array of outstanding graduate educational opportunities, including doctoral degrees, master’s degrees and certificate programs. Graduate-level programs are found in every college/school in the university, contributing to the vibrant intellectual community found at Marquette. Each of the programs described in this section of the bulletin has been designed to provide you with the educational experience in classroom, laboratory and clinical settings that will help you meet your professional and personal goals.

Marquette’s graduate programs provide you with the opportunity to study with superb faculty who are strongly committed to their roles as teachers and as scholars. A spirit of exploration, discovery and innovation unites the work of our faculty and graduate students, whether they are probing the fundamental questions in their specific disciplines or applying new knowledge, often through novel interdisciplinary approaches, to solve some of the most challenging problems of our time. This vibrant community of scholars is informed by the mission of Marquette University. Graduate programs, while unique in emphasis and based on discipline-specific information and methods, are conducted in such a manner that students understand and appreciate the Jesuit/Catholic linking of faith, justice and search for truth. Further, Marquette’s graduate programs emphasize a worldview informed by multicultural and global perspectives. Finally, students are encouraged to engage in service to their communities and to commit to the ethical practice of their profession.

In addition to the individual graduate programs, the Graduate School offers a wide range of academic support and professional development services. Among these are the Graduate Student Organization and the student-led Preparing Future Faculty program. These organizations provide graduate students with the opportunity to interact with colleagues from across campus and offer extracurricular social and professional development opportunities. More information about Graduate School programs and services is available at marquette.edu/grad/.

I invite you to explore the details of our graduate programs through the links found here. The staff of the Graduate School and the faculty in the individual programs welcome your interest in Marquette University!

Jeanne M. Hossenlopp, Ph.D.
Vice Provost for Research and Dean of the Graduate School

Mission Statement

The mission of the Marquette University Graduate School is to contribute to the discovery of knowledge through scholarly activities, to provide leadership in defining the graduate experience and to advocate for an environment that nurtures exploring and learning. To accomplish its mission, the Graduate School ensures quality, consistency and continuity in graduate programs; establishes and monitors institutional commitment to standards; and stimulates improvement and change in the research and pedagogical settings. The Graduate School communicates with stakeholders in a continuing effort to maintain the centrality of graduate education to the mission of Marquette University and to excite the graduate environment.

How to Use

The Graduate Bulletin contains information regarding the academic calendar, admissions, degree requirements, fees, regulations and course offerings. Prospective and current graduate students are responsible for all information contained in this bulletin that is pertinent to graduate study and their specific field. Academic policy and course changes will apply to all students as of the date they become effective, regardless of whether they were in effect at the time the student initially enrolled at Marquette. A graduate student may follow the program requirements of the bulletin that are in effect at the time he/she submits an application, or any other bulletin used during their enrollment as long as the student’s program has not been discontinued in the bulletin year the student decides to follow. That is, students may not continue in programs that have been discontinued, unless they maintain continuous enrollment from the time of admission and follow the degree requirements in effect during one of the bulletin years in which the program was active. Students must abide by only one bulletin’s rules. If any exceptions to this policy are required due to length of time between submitting an application and beginning the program, the student will be notified in writing of the applicable bulletin to follow. In order to properly audit a student’s academic record for graduation, the student must notify the Graduate School in writing if any bulletin other than the one in effect at the time of application is to be used.

Graduate School students must assume full responsibility for knowledge of the rules and regulations of the Graduate School and the special requirements of their individual degree programs. It is the responsibility of each graduate student to verify and meet the deadlines listed in the Academic Calendar (e.g., for submitting forms, submitting theses or dissertations). The Academic Calendar is located online at mu.edu/mucentral (http://www.mu.edu/mucentral/registrar/cal_acadcal/1112grad.shtml).

Changes to the Graduate Bulletin

Marquette University reserves the right to make changes of any nature in its programs, calendar, or academic schedule whenever in its sole judgement it is deemed necessary or desirable. Certain provisions in the bulletin may be in the process of amendment or change. Accordingly, the bulletin is not intended to be relied upon as a statement of the university’s contractual undertakings. The decision of
Marquette University as to the interpretation and method of implementation of its rules, regulations, program requirements, schedules and calendars shall be conclusive and final.

The information in this bulletin and other university bulletins, publications, or announcements may change without notice. Current information is available from the Graduate School.

**Location**

The Graduate School office is located in Holthusen Hall, 305, 1324 W. Wisconsin Avenue, Milwaukee, WI 53233. Office hours are 8 a.m. to 4:30 p.m. with the exception of national or university holidays when the office is closed. Mail should be sent to Marquette University Graduate School, P.O. Box 1881, Milwaukee, WI 53201-1881. The Graduate School’s telephone number is (414) 288-7137, the fax number is (414) 288-1902, the e-mail address is mugs@marquette.edu, and the website is marquette.edu/grad.

**Degrees Offered**

* No formal specialization offered.

<table>
<thead>
<tr>
<th>Program</th>
<th>Degree</th>
<th>Specializations</th>
<th>Program Administered By</th>
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</thead>
<tbody>
<tr>
<td>Bioinformatics (BIIN)</td>
<td>M.S.</td>
<td>*</td>
<td>Mathematics, Statistics and Computer Science / Medical College of Wisconsin</td>
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<tr>
<td>Biological Sciences (BSCI)</td>
<td>M.S., Ph.D.</td>
<td>Cell Biology (CEBI), Developmental Biology (DEBI), Ecology (ECOL), Epithelial Physiology (EPPH), Genetics (GENE), Microbiology (MICR), Molecular Biology (MOBI), Muscle and Exercise Physiology (MUEX)</td>
<td>Biological Sciences</td>
</tr>
<tr>
<td>Biological Sciences (BSCI)</td>
<td>Ph.D.</td>
<td>Neuroscience (NSCI)</td>
<td>Biological Sciences / Biomedical Sciences</td>
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<td>Biomedical Engineering (BIEN)</td>
<td>M.S., Ph.D.</td>
<td>Bioinstrumentation/Computers (BICO), Biomechanics/ Biomaterials (BIOM), Rehabilitation Bioengineering (REBI), Systems Physiology (SYPH)</td>
<td>Biomedical Engineering</td>
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<tr>
<td>Biomedical Engineering (BIEN)</td>
<td>M.E.</td>
<td>Biocomputing (BIOC), Bioimaging (BIOI), Bioinstrumentation (BIOE), Biomechanics (BIOM), Biorehabilitation (REBI)</td>
<td>Biomedical Engineering</td>
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<tr>
<td>Biomedical Engineering (BIEN)</td>
<td>Ph.D.</td>
<td>Functional Imaging (FUIM)</td>
<td>Biomedical Engineering / Medical College of Wisconsin</td>
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<tr>
<td>Chemistry (CHEM)</td>
<td>M.S., Ph.D.</td>
<td>Analytical Chemistry (ANCH), Bioanalytical Chemistry (BIAN), Biophysical Chemistry (BIPH), Chemical Physics (CHPH), Inorganic Chemistry (INCH), Organic Chemistry (ORCH), Physical Chemistry (PHCH)</td>
<td>Chemistry</td>
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<tr>
<td>Civil Engineering (CIEN)</td>
<td>M.S., Ph.D.</td>
<td>Construction/Public Works Management (CONS), Environmental/Water Resources Engineering (ENWA), Structural/Geotechnical Engineering (STGE), Transportation Engineering and Planning (TREP)</td>
<td>Civil and Environmental Engineering</td>
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<tr>
<td>Civil Engineering (CIEN)</td>
<td>Certificate</td>
<td>Construction Engineering and Management (CEMA), Structural Design (STDE), Transportation (TRAN), Water and Wastewater Treatment Processes (WWTP), Water Resources Engineering (WREN)</td>
<td>Civil and Environmental Engineering</td>
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<td>Clinical Mental Health Counseling (CMHC)</td>
<td>M.S.</td>
<td>Addiction Counseling (ADCO), Child and Adolescent Counseling (CACO)</td>
<td>Counselor Education and Counseling Psychology</td>
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<td>Clinical Psychology (CLPS)</td>
<td>Ph.D.</td>
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<td>Psychology</td>
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<td>Clinical and Translational Rehabilitation Health Science (CTRH)</td>
<td>M.S., Ph.D.</td>
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<td>Health Sciences</td>
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<td>Field</td>
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<td>Communication (COMM)</td>
<td>M.A.</td>
<td>Advertising and Public Relations (ADPR); Communication Studies (CMST); Journalism (JOUR); Mass Communication (MASS); Communication about Health, Environment, Science and Sustainability (CHESS)</td>
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<td>Communication (COMM)</td>
<td>Certificate</td>
<td>Digital Storytelling (DIST)</td>
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<td>Computational Sciences (CMPS)</td>
<td>M.S., Ph.D.</td>
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<td>Computing (COMP)</td>
<td>M.S.</td>
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<td>Counseling (COUN)</td>
<td>M.A.</td>
<td>Community Counseling (COMC), School Counseling (SCHC)</td>
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<td>Counseling Psychology (COPS)</td>
<td>Ph.D.</td>
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<td>Criminal Justice Administration (CJAD)</td>
<td>Certificate</td>
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<td>Dentistry (DENT)</td>
<td>M.S.</td>
<td>Dental Biomaterials (BIMA), Endodontics (ENDO), Orthodontics (ORTH), Prosthodontics (PROS)</td>
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<td>Dentistry (DENT)</td>
<td>Certificate</td>
<td>Advanced Education in General Dentistry (Completion), Dentistry Endodontics (Speciality), Orthodontics (Speciality), Prosthodontics (Speciality)</td>
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<td>Dispute Resolution (DIRS)</td>
<td>M.D.R., Certificate</td>
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<td>Educational Policy and Leadership M.A. (EDPL)</td>
<td>M.A.</td>
<td>Curriculum and Instruction (CUIN), Educational Policy and Foundations (EDPF), Literacy (LITR)</td>
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<td>Educational Policy and Leadership M.Ed. (EDPL)</td>
<td>M.Ed.</td>
<td>College Student Personnel Administration (STPA), Educational Administration (EDAD), Elementary Education (ELED), Secondary Education (SEED)</td>
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<tr>
<td>Educational Policy and Leadership Certificate (EDPL)</td>
<td>Certificate</td>
<td>Director of Instruction (DIIN), Elementary Education (ELED), Principal (PRIN), Reading Specialist (RESP), Reading Teacher (RETE), Secondary Education (SEED), Superintendent (SUPR)</td>
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<td>Educational Policy and Leadership Ph.D. (EDPL)</td>
<td>Ph.D.</td>
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<td>Educational Psychology (EDPS) Note: Moratorium on admissions.</td>
<td>M.A.</td>
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<td>Electrical and Computer Engineering (EECE)</td>
<td>M.S., Ph.D.</td>
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<tr>
<td>Electrical and Computer Engineering (EECE) Certificate</td>
<td>Certificate</td>
<td>Digital Signal Processing (DISP), Electric Machines, Drives and Controls (EMDC), Microwaves and Antennas (MIAN), Sensors and Smart Sensor Systems (SSSS)</td>
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<td>English (ENGL)</td>
<td>M.A.</td>
<td>British and American Literature (BRAM)</td>
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<td>English (ENGL)</td>
<td>Ph.D.</td>
<td>American Literature (AMLI), British Literature (BRLI)</td>
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<tr>
<td>Foreign Languages and Literatures (FOLL)</td>
<td>M.A.</td>
<td>Spanish (SPAN)</td>
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<td>Healthcare Technologies Management (HCTM)</td>
<td>M.S.</td>
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<td>History (HIST)</td>
<td>M.A.</td>
<td>European History (EURO), United States History (USHI), Global Studies (GLST)</td>
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<tr>
<td>History (HIST)</td>
<td>Ph.D.</td>
<td>European History (EURO), United States History (USHI)</td>
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<td>Interdisciplinary Ph.D. (INPR)</td>
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<td>International Affairs (INAF)</td>
<td>M.A.</td>
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<td>Field</td>
<td>Degree</td>
<td>Description</td>
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<td>Leadership Studies (LEDR)</td>
<td>M.L.S.</td>
<td>Criminal Justice Administration (CJAD), Dispute Resolution (DIRS), Engineering (ENGI), Health Care Administration (HECA), Nonprofit Sector (NPSE), Public Service (PUBS), Sports Leadership (SPE)</td>
<td>Professional Studies</td>
</tr>
<tr>
<td>Leadership Studies (LEDR)</td>
<td>Certificate</td>
<td>*</td>
<td>Professional Studies</td>
</tr>
<tr>
<td>Nonprofit Sector Administration (NPSA)</td>
<td>Certificate</td>
<td>*</td>
<td>Professional Studies</td>
</tr>
<tr>
<td>Nursing (NURS)</td>
<td>M.S.N.</td>
<td>Advanced Practice Nursing: Adult-Older Adult Acute Care Nurse Practitioner (ACCA), Adult-Older Adult Primary Care Nurse Practitioner (ADUL), Adult-Older Adult Primary Care Clinical Nurse Specialist (ADCS), Nurse-Midwifery (MIDW), Older Adults (OLAD), Pediatrics Primary Care (PEDI), Pediatrics Acute Care (PEDA); Clinical Nurse Leader (CLNL); Systems Leadership and Healthcare Quality (SLHQ)</td>
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</tr>
<tr>
<td>Nursing (NURS)</td>
<td>Post-master’s Certificate</td>
<td>Adult-Older Adult Acute Care Nurse Practitioner (ACNP), Adult-Older Adult Clinical Nurse Specialist (ADCONS), Adult-Older Adult Nurse Practitioner (ADNP), Gerontologic Clinical Nurse Specialist (GECCNS), Gerontologic Nurse Practitioner (GENP), Nurse-Midwifery (NUMI), Pediatrics Primary Care (PEDI), Pediatrics Acute Care (PEDA), Systems Leadership and Healthcare Quality (SLHQ)</td>
<td>Nursing</td>
</tr>
<tr>
<td>Nursing (NURS)</td>
<td>D.N.P.</td>
<td>Advanced Practice Nursing: Adult-Older Adult Acute Care Nurse Practitioner (ACCA), Adult-Older Adult Primary Care Nurse Practitioner (ADUL), Nurse-Midwifery (MIDW), Older Adults (OLAD), Pediatrics Primary Care (PEDI), Pediatrics Acute Care (PEDA); Systems Leadership and Healthcare Quality (SLHQ)</td>
<td>Nursing</td>
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<tr>
<td>Nursing (NURS)</td>
<td>Ph.D.</td>
<td>*</td>
<td>Nursing</td>
</tr>
<tr>
<td>Philosophy (PHIL)</td>
<td>M.A.</td>
<td>History of Philosophy (HIPH), Social and Applied Philosophy (SOAP)</td>
<td>Philosophy</td>
</tr>
<tr>
<td>Philosophy (PHIL)</td>
<td>Ph.D.</td>
<td>Ancient Philosophy (ANPH), British Empiricism/ Analytical Philosophy (BREM), Christian Philosophy (CHRPI), Early Modern European Philosophy (MOPH), Ethics (ETHI), German Philosophy (GEPH), Medieval Philosophy (MEPH), Phenomenology-Existentialism (PHEN), Philosophy of Religion (PHRE)</td>
<td>Philosophy</td>
</tr>
<tr>
<td>Physical Therapy (PHTH)</td>
<td>D.P.T.</td>
<td></td>
<td>Health Sciences</td>
</tr>
<tr>
<td>Physician Assistant Studies (PHAS)</td>
<td>M.P.A.S.</td>
<td></td>
<td>Health Sciences</td>
</tr>
<tr>
<td>Political Science (POSC)</td>
<td>M.A.</td>
<td>*</td>
<td>Political Science</td>
</tr>
<tr>
<td>Public Service (PUBS)</td>
<td>M.A.P.S.</td>
<td>Criminal Justice Administration (CJAD), Dispute Resolution (DIRS), Health Care Administration (HECA), Leadership Studies (LEDR), Nonprofit Sector (NPSE)</td>
<td>Professional Studies</td>
</tr>
<tr>
<td>Religious Studies (REST)</td>
<td>Ph.D.</td>
<td>Historical Theology (HITH), Judaism and Christianity in Antiquity (JUCA), Systematic Theology (SYTH), Theological Ethics (THET), Theology and Society (THSO)</td>
<td>Theology</td>
</tr>
<tr>
<td>Speech-Language Pathology (SPLA)</td>
<td>M.S.</td>
<td>*</td>
<td>Speech Pathology and Audiology</td>
</tr>
</tbody>
</table>
Speech-Language Pathology (SPLA) Certificate Bilingual English-Spanish (BIES) Speech Pathology and Audiology
Sports Leadership (SPLE) Certificate * Professional Studies
Theology (THEO) M.A. Historical Theology (HITH), Judaism and Christianity in Antiquity (JUCA), Systematic Theology/Theological Ethics (SYTH) Theology
Theology (THEO) M.A.C.D. * Professional Studies
Transfusion Medicine (TRME) M.S.T.M. Business Administration (BUAD), Education (EDUC), Science (SCIE) Graduate School

Legend of Abbreviations for Graduate Degree Programs:

M.A. Master of Arts M.P.A.S. Master of Physician Assistant Studies
M.A.C.D. Master of Arts in Christian Doctrine M.S. Master of Science
M.A.P.S. Master of Arts in Public Service M.S.N. Master of Science in Nursing
M.D.R. Master in Dispute Resolution M.S.T.M. Master of Science in Transfusion Medicine
M.Ed. Master of Education D.N.P. Doctor of Nursing Practice
M.E. Master of Engineering D.P.T. Doctor of Physical Therapy
M.L.S. Master in Leadership Studies Ph.D. Doctor of Philosophy

Definitions

Degree Program - An academic program of study leading to a master’s, Ph.D. or professional degree. All degree programs require that a minimum number of semester credit hours be earned, as referenced in the official bulletins of the University that are produced each academic year.

Certificate - A post-baccalaureate or post-master program of study offered at the graduate level, in which a specific skill set is demonstrated at the end of the program, usually culminating in a capstone course. In order to earn a certificate, the program of study must be offered apart from a degree; however, the courses in a certificate program may be applied toward a graduate degree program. A minimum of 12 semester credit hours must be earned in a certificate program.

Specialization - An integrated, coherent set of courses that define a limited topic or field of study at the graduate level that is taken within the degree program. A minimum of 12 semester credit hours must be earned in the specialization.

Accelerated Bachelor’s-Master’s Degree Program - Designed to provide a more efficient means to obtain a master’s degree. Allows students to begin accumulating credits toward completion of a master’s degree while still enrolled as an undergraduate.

Joint Programs Offered

Specializations for the joint degree programs are the same as the specializations listed in the DEGREES OFFERED section, above.

<table>
<thead>
<tr>
<th>Program</th>
<th>Degrees</th>
<th>Program Administered By:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication (COMM)</td>
<td>M.A. and M.A.</td>
<td>Communication / Political Science</td>
</tr>
<tr>
<td>Dispute Resolution (DIRS)</td>
<td>Certificate and J.D.</td>
<td>Professional Studies / Law</td>
</tr>
<tr>
<td>International Affairs (INAF)</td>
<td>M.A. and M.B.A.</td>
<td>Political Science / Graduate School of Management</td>
</tr>
<tr>
<td>International Affairs (INAF)</td>
<td>M.A. and J.D.</td>
<td>Political Science / Law</td>
</tr>
<tr>
<td>Nursing (NURS)</td>
<td>M.S.N. and M.B.A.</td>
<td>Nursing / Graduate School of Management</td>
</tr>
<tr>
<td>Philosophy (PHIL)</td>
<td>M.A. and J.D.</td>
<td>Philosophy / Law</td>
</tr>
<tr>
<td>Political Science (POSC)</td>
<td>M.A. and M.A.</td>
<td>Political Science / Communication</td>
</tr>
<tr>
<td>Political Science (POSC)</td>
<td>M.A. and M.B.A.</td>
<td>Political Science / Graduate School of Management</td>
</tr>
<tr>
<td>Political Science (POSC)</td>
<td>M.A. and J.D.</td>
<td>Political Science / Law</td>
</tr>
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</table>

Accelerated Bachelor’s-Master’s Degree Programs Offered

<table>
<thead>
<tr>
<th>Program</th>
<th>Degrees</th>
<th>Program Administered By:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomedical Engineering (BIEN)</td>
<td>B.S.B.E. and M.S.</td>
<td>Biomedical Engineering</td>
</tr>
<tr>
<td>Civil Engineering (CIEN)</td>
<td>B.S.C.E. and M.S.</td>
<td>Civil and Environmental Engineering</td>
</tr>
<tr>
<td>Clinical and Translational Rehabilitation Health B.S. and M.S.</td>
<td></td>
<td>Health Sciences</td>
</tr>
<tr>
<td>Electrical and Computer Engineering (EECE)</td>
<td>B.S.E.E. and M.S.</td>
<td>Electrical and Computer Engineering</td>
</tr>
<tr>
<td>Program</td>
<td>Degree(s)</td>
<td>Field</td>
</tr>
<tr>
<td>----------------------------------------------</td>
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<td>--------------------------------</td>
</tr>
<tr>
<td>International Affairs (INAF)</td>
<td>B.A. and M.A.</td>
<td>Political Science</td>
</tr>
<tr>
<td>Mechanical Engineering (MEEN)</td>
<td>B.S.M.E. and M.S.</td>
<td>Mechanical Engineering</td>
</tr>
<tr>
<td>Nursing for Non-Nursing Graduates (NURS)</td>
<td>M.S.N.</td>
<td>Nursing</td>
</tr>
<tr>
<td>Political Science (POSC)</td>
<td>B.A. and M.A.</td>
<td>Political Science</td>
</tr>
<tr>
<td>Speech-Language Pathology (SPLA)</td>
<td>B.S. and M.S.</td>
<td>Speech Pathology and Audiology</td>
</tr>
</tbody>
</table>

**Legend of Abbreviations for Joint and Accelerated Degree Programs:**

<table>
<thead>
<tr>
<th>Degree</th>
<th>Program</th>
<th>Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.A.</td>
<td>Bachelor of Arts</td>
<td>Master of Arts</td>
</tr>
<tr>
<td>B.S.</td>
<td>Bachelor of Science</td>
<td>M.B.A. Master of Business Administration</td>
</tr>
<tr>
<td>B.S.B.E.</td>
<td>Bachelor of Science in Biomedical Engineering</td>
<td>M.S. Master of Science</td>
</tr>
<tr>
<td>B.S.C.E.</td>
<td>Bachelor of Science in Civil Engineering</td>
<td>M.S.A. Master of Science in Accounting</td>
</tr>
<tr>
<td>B.S.E.E.</td>
<td>Bachelor of Science in Electrical Engineering</td>
<td>M.S.A.E. Master of Science in Applied Economics</td>
</tr>
<tr>
<td>B.S.M.E.</td>
<td>Bachelor of Science in Mechanical Engineering</td>
<td>M.S.H.R. Master of Science in Human Resources</td>
</tr>
<tr>
<td>J.D.</td>
<td>Juris Doctor</td>
<td>M.S.N. Master of Science in Nursing</td>
</tr>
</tbody>
</table>
Admission and Readmission to the Graduate School

Admission Status

Marquette University admits graduate students under four different categories: degree, non-degree, temporary and visiting scholar status.

Degree Status

When applicants are admitted to a program leading to a master’s or doctoral degree, they are said to be in “degree status.” This designation is made after the department and the Graduate School have accepted an application. An applicant may be admitted into one of two categories.

Regular degree status — Designates a student who is admitted to the Graduate School and is working toward a master’s or doctoral degree in a particular program. Students are eligible for tuition scholarships, graduate assistantships and fellowships, as available.

Probationary degree status — This status is only awarded to master’s degree students by the applicant’s department or the Graduate School. Doctoral students are not admitted on probation status. Probationary status is assigned when an applicant’s academic performance falls below Graduate School standards but there is other evidence to suggest the potential for successful graduate-level study. Students admitted on probation are not eligible to receive financial aid from the Graduate School but may apply for financial assistance from the Office of Student Financial Aid. Students failing to meet the conditions of the admission letter will be dismissed from the Graduate School.

In order to be considered for admission to degree status, all applicants are required to submit an application, the application fee, certified copies of transcripts, and other information as requested by the department.

Non-Degree Status

This status designates any student taking graduate-level classes who is not seeking a certificate, a master’s degree, or a doctoral degree. Non-degree students are not eligible to receive financial aid from the Graduate School except for Catholic Schools Personnel Scholarships and the Milwaukee Area Teachers Scholarships. Non-degree students are typically not eligible to receive federally subsidized loans unless enrolled in an approved graduate certificate program. Non-degree students should contact the Office of Student Financial Aid for exceptions.

All non-degree applicants are required to submit an application, the application fee, and certified copies of transcripts. Non-degree applicants seeking admission to degree status must meet the same admission standards as other applicants to a degree program.

Completion of any number of non-degree credits does not guarantee acceptance into a degree program, and, if a non-degree student is subsequently admitted to a degree program, there is no guarantee that credits earned while in non-degree status will count toward the degree. Most degree programs accept between 9 and 15 transfer credits, depending on the number of credits needed for the degree (see Transfer of Credit). Non-degree students will not be permitted to take more than 9 credits until they certify in writing that they are aware of the policies and limits regarding the transfer of credits into the degree program.

Credits earned as a non-degree student may be considered as graduate credits and certified as such to school boards or other authorities. Non-degree students may register for any course (with the exception of courses in dentistry) if they have met the prerequisites and have department permission. Non-degree students interested in taking courses in dentistry must have special permission from the Graduate School and the School of Dentistry.

Temporary Admission Status

Applicants who have applied to a degree or a non-degree program, and meet the minimum admission requirements but have not submitted all the necessary documents may be admitted under temporary status. This admission is valid for only one term. Students must apply for and be admitted as a degree or non-degree student before being allowed to register for additional courses.

Visiting Scholar Status

This status designates a student, seeking a master’s or doctoral degree at another institution, who takes one or more classes at Marquette University with the intention of transferring the earned credits. Evidence of the student’s status and academic performance at the other institution will be required, although submission of official transcripts may not be necessary.

Visiting scholars may apply for federal financial aid through the student’s home school or through Marquette. Students applying for aid through Marquette must request a Consortium Agreement from the Office of Student Financial Aid. When the completed form is returned to Marquette, the student will become eligible for federal financial aid and the Office of Student Financial Aid will process the student’s FAFSA. Students applying for federal aid through their home institutions should consult their home institutions for their application policies and procedures.

General Admission Requirements

Only applicants whose total record indicates that they can make independent, original and high quality contributions to knowledge will be admitted. Departments reserve the right to limit the number of students accepted within a given time period.

All applicants should have:
• A bachelor’s degree from a recognized college or university, or the equivalent foreign degree.
• At least a B average (3.000 grade point average on a 4.000 scale).
• Course work suitable for the desired graduate program (applicants with a bachelor’s degree but not the necessary course work should consult the Office of Undergraduate Admissions, [414] 288-7302 or [800] 222-6544, or the Undergraduate Bulletin, for information about Special Student Status).
• Some programs require professional experience in addition to a bachelor’s degree. See the Graduate School Programs section of this bulletin for more information.

In addition, no application for admission will be considered for any applicant with an outstanding balance of $3,000 or more owed to the university.

Submitting an Application
All applications for admission must be submitted online. A link to our online application can be found at marquette.edu/grad.

Program Information
An applicant’s program may have special requirements of background, tests, personal statements, other materials, and application deadlines. Check the Graduate School Programs section of this bulletin for information and requirements specific to each program or see requirements on the Web at marquette.edu/grad/programs_apps.shtml. Applicants are responsible for meeting and submitting all of their program’s application requirements.

Application and Financial Aid Deadlines
Applicants are admitted to the Graduate School on the recommendation of the intended department and the approval of the vice provost for research and dean of the Graduate School.

Applications for admission to programs that have no deadlines listed in the Graduate School Programs section of this bulletin must be received in the Graduate School by Aug. 1 for fall admission (June 1 for international applicants), by Dec. 15 for spring admission (Nov. 1 for international applicants), and by May 1 for summer admission. If the program has a listed application deadline, all application materials must arrive before that date. Admission to the program is valid only for the term specified on the application, unless a deferral is requested from the Graduate School before the start of that term. Deferral of admission may be requested by completing and submitting the Request for Deferral of Admission form available at marquette.edu/grad/forms_index.shtml. Note that deferral is for admission only, and not for financial aid. Applicants should check the Graduate School Programs section for more information.

Students applying to more than one program must submit a separate application and application fee for each program. The first-choice program of interest must be indicated on at least one of the applications.

The deadline for applying for merit-based Graduate School financial aid (assistantships and scholarships) is Feb. 15 for the following fall term, Nov. 15 for the following spring term and April 15 for the summer sessions. Deadlines falling on weekends or holidays will be extended to the close of the following business day. Some programs may have deadlines for fall admission that are earlier than the financial aid application deadlines. New applicants for financial aid in those programs must adhere to the earlier department deadlines that are listed in the Graduate School Programs section of this bulletin.

Inactive Files
Incomplete and inactive admission files are discarded after one year.

International Student Requirements
Definition of an International Student
An international student is defined as an applicant who is not a U.S. citizen or permanent resident.

Application Instructions
As described in the Application Instructions section later in this bulletin, international applicants are required to submit an application form, a non-refundable application fee, official transcripts with certified English translations, three letters of recommendation, test data, evidence of English proficiency (such as TOEFL), and other materials as required by the program to which they are applying.

English Language Assistance
All non-native English speaking teaching assistants will be required to take a language placement examination upon their arrival on campus. Based on the results of the exam, students may be required to enroll in one or more English as a Second Language (ESL) courses in addition to their required course work. ESL courses in writing, reading, listening comprehension, and speaking/pronunciation are offered during the fall and spring terms. (This requirement is in addition to the TOEFL requirement described in the Application Instructions section.) All international students with teaching assistantships (TAs) are also required to attend a one-week orientation program, where they are evaluated individually in language and communication skills before beginning course work.
Financial Verification and Visa Regulations

Upon acceptance to the Graduate School, F-1 students must adequately document their financial resources for the duration of the academic program before a visa will be issued. Financial verification, in the form of an appropriate sponsorship statement and an advance deposit (in U.S. currency), must be sent to Marquette before the certificate of eligibility for a visa will be issued. Students wishing to have their I-20 express mailed to them must put their request in writing and submit it along with the required advance deposits and financial verification paperwork. The added cost for express mail requests will be subtracted from the advance deposit. The express mail charge is non-refundable. The premium for the first term of health and repatriation insurance, required of all F-1 and J-1 students, will be deducted from the advance deposit. Students must be prepared to pay any remaining balance of the first term’s tuition when they arrive on campus. The advance deposit will be waived if the student receives a scholarship or other academic award that covers the cost of the first term’s tuition. If a student chooses not to attend Marquette University after the I-20 has been issued, all but $10 (U.S. currency) will be refunded. A written request for a refund must be sent back to the Graduate School with the original I-20.

International students must abide by the regulations of their legal status in the United States regarding their defined educational objectives, academic load, and employment. Most international applicants are eligible only for regular degree status. Those seeking admission for non-degree status must obtain a statement of their legal eligibility from Marquette’s Office of International Education.

Application Procedures

It is the applicant’s responsibility to obtain information about all admission prerequisites and application requirements from the Programs section of this bulletin, from the Graduate School or department websites, or from the director of graduate studies in the proposed program. If the academic program has a deadline, it is to the applicant’s advantage to make sure that the application package is complete well in advance of the deadline.

The Graduate School requires all applicants to submit a complete application, a $50 application fee, and transcripts from all post-secondary institutions attended. Additional requirements are required for admission to most programs. Supplemental documents may be submitted to grad.admissions@marquette.edu.

Applications will not be reviewed for admission until all materials, including those requested by the proposed graduate program, have been received. Submit all application materials online, or if needed by mail to: Marquette University Graduate School, P.O. Box 1881, Milwaukee, WI 53201-1881; or by courier to: Marquette University Graduate School, 1324 W. Wisconsin Ave., Room 305, Milwaukee, WI 53233.

Official transcripts must come directly from all universities or colleges attended, including junior/community colleges. Official test scores must also come directly from the applicable testing service.

Students are strongly advised to submit the application for admission before having other application materials sent. Receipt of the application in the Graduate School before other application materials ensures that all documents will be matched to the application quickly and accurately. If supporting documents are submitted to the Graduate School before the application has been received, processing of the documents and review of the application file can be delayed. It is to the applicants’ advantage to ensure that the application is submitted before any additional documents.

All applicants must submit the following:

- A completed online application form.
- A non-refundable application processing fee (U.S. currency only) of $50.00. Note: The application fee is waived only for alumni of the Marquette University Graduate School, including graduates or students who have taken courses in the past without graduating. In order to receive the waiver, applicants must have previously taken courses while classified as a graduate student in one of the programs under the umbrella of the Graduate School, and does not include the Graduate School of Management, Law School, College of Health Sciences, or School of Dentistry.
- A letter notifying the Graduate School if the last name (family name) on the transcripts or test scores is different from the name on the Graduate School application.
- Official Transcripts: The Graduate School requires official transcripts detailing previous academic study from all universities or colleges attended. Transcripts are not considered official unless they are sent directly to the Graduate School from the institution attended. Transcripts will be considered unofficial if routed through the applicant. Applicants with course work in progress toward the fulfillment of a degree are required to submit an official final transcript verifying receipt of their degree after completing the course work. All applicants who have transcripts in a language other than English must provide official transcripts in addition to certified English translations.
- Applicants who previously attended Marquette University need not request Marquette transcripts but are required to furnish transcripts from other schools they attended.
- Letters of Recommendation: Applicants should check the Programs section of this bulletin for information about the number of letters of recommendation needed, if any. Letters of recommendation from former professors are preferred and should comment on the applicant’s past academic record and potential for future success. Most programs do not require special forms or format. However, the nursing, counseling, and counseling psychology programs require special forms for recommendation submission. Letters of recommendation should be submitted online as part of the online application system. Letters of recommendation, if not submitted online, may be sent as an e-mail attachment to grad.admissions@marquette.edu.
Applicants applying for financial aid through the Graduate School must submit three letters of recommendation and check the financial aid box on the application (see the Financial Aid section of this bulletin).

- Permission to discuss the applicant’s file with a third party (optional): Applicants who are unable to speak directly with an admissions counselor (due to distance, expense, etc.) may give the Graduate School permission to communicate with a third party. Marquette University requires that this request be made in writing, be signed by the applicant, and specify the name(s) of the third party.
- Additional application materials as requested by the program: It is the applicant’s responsibility to obtain information about any additional requirements from the Programs section of this bulletin, from the Graduate School or department websites, or from the director of graduate studies in the proposed program.
- Test Data: One or more of the following tests may be required as part of the admission process. Consult the Programs section of this bulletin or the program requirements at marquette.edu/grad/programs_apps.shtml for information specific to the applicant’s proposed program. Regardless of the test, all scores will be considered unofficial until the Graduate School receives the official scores from the testing agency. Copies of test scores issued to the applicant are considered unofficial.

Preparation books for these tests can be found at the public library and various bookstores. Free downloads of preparation materials are also available at www.ets.org/gre (http://www.ets.org/gre) for the GRE. A variety of tests are administered locally at Prometric Testing, 19435 W. Capitol Drive, Suite L04, Brookfield, WI 53045. Call (262) 796-0836 or visit www.prometric.com (http://www.prometric.com) for more information.

The Graduate School urges applicants to take tests well in advance of the date the scores are needed. It usually takes at least six weeks for scores to reach the Graduate School office after the exam. Test scores should be relatively recent; scores more than five years old (two years for TOEFL) may not be accepted.

**Graduate Record Examination (GRE)**

Most graduate programs request a GRE (General Test) score. Departments may require applicants to take a “Subject” (advanced) GRE Test. Consult the Programs section of this bulletin for specific information. For information about this test, contact the GRE-ETS, P.O. Box 6000, Princeton, NJ 08541-6000. Visit the website www.ets.org/gre (http://www.ets.org/gre) or call (609) 771-7670 or (866) 473-4373 for more information.

Test takers applying to the Graduate School must enter the code 1448 in the Score Report Recipient section of the GRE registration form. It is not sufficient to list Marquette as the institution. Failure to enter the correct code will delay the admission decision.

**Proof of English Proficiency—International Students Only**

International students whose language of instruction for their bachelor’s degree education (or master’s, if applicable) was not English must take the TOEFL. Other ways to satisfy this requirement include programs through WESLI (level 700 is required), ELS (level 112 is required), and IELTS (score of 6.5 or higher is required).

**Test of English as a Foreign Language (TOEFL)**

International students must have an adequate command of both written and spoken English, usually evidenced by a TOEFL score of at least 550 on the paper-based version and 213 on the computer-based version. The Internet-based, or iBT, version of TOEFL tests students in four areas: reading, writing, speaking, and listening. In general, a minimum score of 20 is required for each of the four sections, with an overall minimum score of 80. Applicants for some programs must test with higher minimums and should consult the Graduate School Programs section of this bulletin for specific information.

Test scores may not be more than two years old. For information about this test, contact TOEFL Services, Educational Testing Service, P.O. Box 6151, Princeton, NJ 08541-6151, U.S.A. Visit www.ets.org/toefl (http://www.ets.org/toefl) or call (609) 771-7100 or (877) 863-3546 for more information.

**International English Language Testing System (IELTS)**

International students whose language of instruction for a prior degree was not English may take the IELTS in place of the TOEFL. In general, scores should be no more than two years old. Although each application will be evaluated in its entirety, in general, an IELTS score of 6.5 or higher will be required for admission. Information about the IELTS can be found at www.ielts.org (http://www.ielts.org).

**Second Master’s Degree Admission**

Students already holding a Marquette master’s degree may earn a second Marquette master’s degree in another discipline by applying for and receiving admission, and by completing all of the requirements necessary for the second master’s degree.

During the first term of study of the second master’s degree, students must complete a Master’s Program Plan Form, have it approved, and submit it to the Graduate School. Additionally, if students intend to request and transfer credits from their first master’s degree, they must complete the Master’s Degree Transfer of Credit Request form, available online at marquette.edu/grad/forms_index.shtml. Between 9 and 15 credits may be transferred from the first master’s degree, depending on the total number of credits required to complete the second master’s degree. Normal transfer credit policy will apply. Credits to be transferred in must normally have been earned within six years prior to admission into the second master’s degree. For more information, see Transfer of Credit under Academic Regulations.
Readmission

Students who have been discontinued due to failure to enroll for one or more semesters and who otherwise were performing in a satisfactory manner may apply for readmission by e-mail to the Graduate School via the department. The director of graduate studies or chair of the department will endorse the request either positively or negatively, and will forward the request to the Graduate School for processing. To be readmitted, students must receive departmental endorsement, pay all fees in arrears, and be in good financial standing with the Bursar.

Students who have withdrawn from the university, were dismissed from their program, or who were suspended for any reason must be formally readmitted to the Graduate School before resuming their studies. To be readmitted, students must receive departmental endorsement, pay all fees in arrears, and be in good financial standing with the Bursar. Furthermore, no application for readmission will be considered for any former Marquette student with an outstanding balance of $3,000 or more owed to the university. The vice provost for research and dean of the Graduate School and the major department jointly decide if a student will be readmitted.

The request for readmission from students who have been dismissed or suspended must include a statement by the student addressing previous weaknesses, steps taken to correct the weaknesses, and an explanation of why the student feels he or she has the ability to succeed in graduate studies. No student may be readmitted to a program that is no longer active at the time of readmission.

In being readmitted, students face the possibility that previously completed work might not be accepted with the readmission decision, even if taken within the same program. The major department and vice provost for research and dean of the Graduate School may also set readmission conditions on the student’s resumption of work toward a degree, such as registering for additional course work, retaking examinations, completing the degree within a specified time period, or other appropriate terms.
Academic Calendar

Academic Calendar/Exam Schedules (http://www.marquette.edu/mucentral/registrar/cal_acadcal1213grad.shtml)
Academic Regulations

Academic Honesty Policy

Preamble

Marquette University is committed to developing the whole person, spiritually, mentally, physically, socially, and ethically. As an institution of higher education, love of truth is at the center of the university’s enterprise, and academic honesty, in all its forms, is an explicit value of the university. The development and practice of academic honesty and integrity, both inside and outside the classroom, are expectations for all members of the university community. In order to cultivate academic honesty in its students, instructors take every opportunity to help students appreciate both the process and the principles of academic integrity.

Academic honesty can be best understood by academic ethical standards guiding faculty in their work. That is to say, an individual’s contributions, in terms of words and scholarly findings, belong to him or her alone. Furthermore, the integrity of that which one claims to be scholarly knowledge rests on the accurate demonstration of the assumptions and reasoning that produced it. These standards are used as the implicit basis for teaching and learning in the university.

In order for instructors to fairly assess the quality and quantity of a student’s learning as determined by work that students represent as their own, a relationship of trust between instructor and student is essential. Because violations of academic integrity most often involve, but are not limited to, efforts to deceive instructors, they represent a breach of the trust relationship between instructor and student, and undermine the core values of the university.

Responsibility for Academic Honesty

This policy applies to all undergraduate programs and to students and faculty in programs under the auspices of the Graduate School. Graduate School generically refers to all graduate and professional schools and students, and terms such as associate vice provost or associate/assistant dean will refer to the appropriate official in the other colleges/schools. Graduate School students should appeal to the Graduate School while professional students should appeal to the appropriate person in their college or school, i.e., Graduate School of Management or College of Health Sciences. School of Dentistry and Law School students must follow the appeal processes put forth by their respective schools.

ACADEMIC HONESTY consists of truth telling and truthful representations in all academic contexts. All members of the academic community have a responsibility to ensure that academic honesty is maintained. In what follows the wording “chair” refers to either a department chair or an equivalent official, “associate dean” refers to either an associate dean or an equivalent official, or in the case of the Graduate School it will refer to the assistant vice provost for graduate programs, the word “college” refers to a college, school, or other academic unit, and the words “assigned college” refers to the degree granting college or school (i.e. for graduate students the assigned college is the Graduate School).

Faculty have primary responsibility for:

1. Upholding and enforcing university-wide principles of academic honesty and integrity and informing students of these principles including any qualifications that may be operative in the classes they are teaching.
2. Minimizing opportunities for academic dishonesty in their courses.
3. Confronting students suspected of academic dishonesty in a way that respects student privacy.
4. Affording students accused of academic dishonesty the right to appeal any resulting disputes to disinterested parties for hearing and resolution.
5. Assigning an appropriate grade to a student who engages in academic dishonesty.
6. Reporting all instances of academic dishonesty to the associate dean of the college offering the course.
7. Protecting the anonymity of any student reporting an incident of academic dishonesty to the extent permitted by due process required for the accused and other legal requirements.

Students have responsibility for:

1. Refraining from cheating and plagiarism.
2. Refusing to aid or abet any form of academic dishonesty.
3. Notifying professors and/or their adviser about observed incidents of academic misconduct. The anonymity of a student reporting an incident of academic dishonesty will be protected to the extent permitted by law.

Definitions of Academic Dishonesty

ACADEMIC DISHONESTY applies equally to electronic media and print, and involves text, images, and ideas. It includes but is not limited to the following examples:

Cheating

1. Copying from others during an examination.
2. Communicating exam answers with other students during an examination.
3. Offering another person’s work as one’s own.
4. Taking an examination for another student or having someone take an examination for oneself.
5. Sharing answers for a take home examination or assignment unless specifically authorized by the instructor.
6. Tampering with an examination after it has been corrected, and then returning it for more credit.
7. Using unauthorized materials during an examination.
8. Allowing others to do the research and writing of an assigned paper (including use of the services of a commercial term paper company).

**Dishonest Conduct**
1. Stealing or attempting to steal an examination or answer key from the instructor.
2. Changing or attempting to change academic records without proper sanction.
3. Submitting substantial portions of the same work for credit in more than one course without consulting all instructors involved.
4. Intentionally disrupting the educational process in any manner.
5. Allowing another student to copy off one’s own work during a test.

**Plagiarism**
Plagiarism is intellectual theft. It means use of the intellectual creations of another without proper attribution. Plagiarism may take two main forms, which are clearly related: 1. To steal or pass off as one’s own the ideas or words, images, or other creative works of another and 2. To use a creative production without crediting the source, even if only minimal information is available to identify it for citation.

Credit must be given for every direct quotation, for paraphrasing or summarizing a work (in whole, or in part, in one’s own words), and for information that is not common knowledge.

**Collusion**
Any student who knowingly or intentionally helps another student perform any of the above acts of cheating, dishonest conduct, or plagiarism is subject to discipline for academic dishonesty.

**Research Misconduct**
Marquette University has a duty to ensure the integrity of research and will respond to any allegation of research misconduct in a thorough, competent, timely, objective, and fair manner. Research misconduct is defined as fabrication, falsification, or plagiarism in proposing, performing, or reviewing research, or in reporting research results. The research misconduct policy applies to faculty, students, and others who are employed by or affiliated with Marquette University. Students who are accused of misconduct related to grant-funded research shall be governed by the procedures of the research misconduct policy (http://www.marquette.edu/orsp/documents/ResearchMisconductPolicy1_09.pdf). Students who are accused of misconduct related to research that is not grant-funded and is a part of a student’s academic program will be governed by the University Policy on Academic Honesty, found at marquette.edu/mucentral/registrar/policy_honesty.shtml. Any uncertainty related to which policy will govern a given situations will be decided by the research integrity officer.

**Consequences of Academic Dishonesty**
Regardless of how alleged acts of academic dishonesty are brought to light, faculty and instructors retain the responsibility and the authority to investigate all allegations, although, as outlined below, university administrators may lead these investigations. Because the consequences for academic dishonesty can be severe, the decision to penalize a student for such infractions must be the result of a thorough review. The procedures to be used for adjudicating suspected acts of academic dishonesty are determined by the nature of the misconduct and the seriousness of the offense.

**Procedures for Incidents of Academic Dishonesty**
Students found committing acts of academic dishonesty will be subject to the Marquette University procedures for incidents of academic dishonesty. In what follows the wording “chair” refers to either a department chair or an equivalent official, “associate dean” refers to either an associate dean or an equivalent official, or in the case of the Graduate School it shall refer to the assistant vice provost, the word “college” refers to a college, school, or other academic unit, and the words “assigned college” refers to the college granting the degree (i.e. for graduate students the assigned college is the Graduate School).

**First Offenses**
Many, perhaps most, incidents of academic dishonesty involve accusations which are based on clear evidence and which are not contested by the accused student. In such cases, if the infraction is relatively minor and there is no indication that the accused student has previously been involved in such incidents, it is most appropriate that the matter be resolved between the student, the faculty member, and the chair of the department offering the course.

When a faculty member has evidence of a student’s academic dishonesty, the faculty member must initiate communication with the student within 15 calendar days of discovering evidence of academic dishonesty. The faculty member must then present the evidence to the student
in a private meeting, always with a facilitator present (e.g., department chair or designee). This meeting should take place within 15 calendar
days of the student being notified of the allegation or as soon thereafter as possible. If, after this meeting, it is decided that the student did
participate in academic dishonesty the faculty member may follow up with one or more of the following actions:

1. Issue a reprimand to the student
2. Require repetition of the questionable work or examination
3. Reduce the grade on the questionable work or examination (faculty can reduce the grade down to and including an F or zero)
4. Recommend that the student be administratively withdrawn from the course
5. Recommend that the student be given a final grade of F for the course

The faculty must maintain careful documentation of the incident.

It is essential that any disciplinary action be reported in writing to the student in a letter from the faculty member. The faculty member is
strongly encouraged to consult with his or her associate dean for questions about appropriate discipline and the form and content of the
letter sent to the student. Reference to the “Marquette University Policies on Academic Honesty” should be included in the letter. The letter
to the student must be sent out within 15 calendar days of the meeting and may be sent by e-mail with settings for “notify sender of receipt
and of opening”. At the same time the letter is sent to the student, a copy must be sent to the department chair and associate dean of the
college offering the course. In turn, within 5 working days, the associate dean of the college offering the course will communicate in writing
details of the incident to the associate dean of the student’s assigned college, to ensure that penalties assessed are commensurate with the
offense and that repeated infractions can be detected and dealt with appropriately. The associate dean of each college is responsible for
maintaining confidential records concerning academic dishonesty of students enrolled in that college. All letters reporting faculty imposed
academic penalties for academic misconduct will be included in these files.

In most incidents the disciplinary response and procedure for incidents of academic dishonesty concludes at this step.

**Student’s Appeal**

Students have the right of appeal of the allegations of academic dishonesty and the disciplinary actions of the instructor if the student
believes the alleged incident of academic dishonesty and/or resultant academic discipline to be unfounded, biased, or capricious. In this
case the student should submit a formal written appeal stating the grounds for appeal and available documentation to the associate dean
doing the college offering the course within 15 calendar days of the notification of the instructor’s decision. Upon receipt of the appeal the
associate dean may convene a review of the student’s actions by a college panel. The associate dean and/or panel reviews the details of
the student’s actions and may ask to speak to the student, the instructor, the chair of the department offering the course, associate deans,
and others. The associate dean of the college offering the course will determine the appropriate disciplinary action and, within 15 calendar
days of receipt of the appeal, will provide a written statement to all parties concerned.

**Disciplinary Recommendations by Faculty of ADW or F**

If the faculty member recommends that the student be administratively withdrawn from the course and assigned a final grade of ADW or that
a final grade of F be assigned, the associate dean of the student’s assigned college (the assistant vice provost for graduate programs) will
review the details of the incident and make the final decision within 5 working days of receipt of the request, and provide a written statement
to all parties concerned.

Students have the right to appeal the decision of the associate dean to issue grades of ADW or F to the dean of the student’s assigned
college (the dean of the Graduate School in the case of graduate students). This appeal must be made within 15 calendar days of the
notification of the grade change. The final decision to uphold or modify the action of the associate dean will be provided to the student and
associate dean within 15 calendar days of receipt of the appeal. The decision of the dean is final.

**Repeat or More Serious Offenses**

When the associate dean (in the case of graduate students to the assistant vice provost for graduate programs) of the student’s assigned
college is aware of or determines that the student has engaged in multiple incidents of academic dishonesty or the incident in question is
of a more serious nature he/she will convene a review of the student’s actions by a college panel within 15 calendar days of learning of the
most recent incident. In the case of graduate students, such a panel will be composed of a sub-committee of the University Board of
Graduate Studies. More serious incidents may involve repeat offenses, cause injury or harm to others outside the academic community, or
other actions deemed to warrant additional consideration. These incidents of academic dishonesty call for more serious disciplinary action
up to and including campus wide sanctions of suspension or expulsion. Where incidents involve possible violations of the University Code of
Conduct, in addition to the alleged academic dishonesty, consultation with the Office of Student Development is recommended.

Each college will have guidelines for the composition and selection of the college panel to assure a review by experienced faculty and/or
administrators not directly involved in the incident(s). The panel reviews all aspects of the student’s record, the details of the student’s
behavior and may ask the student, instructor(s), and others to speak with the panel. Within 15 calendar days of being given the charge, the
panel will forward its recommendations for appropriate and just disciplinary action to the associate dean (in the case of graduate students
to the assistant vice provost for graduate programs) of the student’s assigned college with a copy to the dean. All disciplinary decisions that
Academic Performance

The Graduate School, as well as each academic unit, regularly evaluates the academic performance of its graduate students, adhering to the standards of Marquette University, the Graduate School, and the standards and requirements established by each academic unit and program. Students must earn acceptable grades and adhere to the requirements of academic honesty, professional integrity, and professional performance as well as continue to make satisfactory progress toward their degrees and meet the expectations of the Marquette University Student Conduct Code. The specific expectations related to each of these requirements are described at various points earlier in the Graduate School Bulletin and in the next section below.

Clinical Courses

By virtue of the special nature of clinical courses in health care and other human service fields, students will be held to clinical and professional standards in addition to academic standards. If, in the opinion of the supervising faculty member, the student is falling short of expected levels of performance or professional behavior, the student may be removed immediately from the class. In many cases, the student will be counseled regarding the deficiency and will be given an opportunity to retake the class. However, depending on the type and severity of the deficiency, the student may be dismissed from the program and the Graduate School.
Satisfactory Progress Toward the Degree

Satisfactory academic work is not determined exclusively by course grades. All graduate degree students must also make substantial and visible progress toward their degrees. This includes successful completion of any required language examination that may be required, research or clinical training requirements, comprehensive or qualifying examination, thesis or dissertation. Failure to make continual and satisfactory progress toward one’s degree may result in a warning, probation, or dismissal.

Academic Censure

There are five categories of student performance problems that can lead to some form of censure. These problems may be identified at any point during the academic year, though a systematic review of all students’ course grades is also conducted at the end of each academic term. The review of other, non-course grade problems is typically conducted on an individual basis as issues arise. A finding of significant problems in any of these areas can result in a warning, probation, suspension, dismissal, or expulsion, depending on the nature and severity of the problems identified. All of these statuses are maintained permanently on the student’s academic record; only dismissal and expulsion, however, appear permanently on Marquette University’s official transcript. If a student is reinstated following a dismissal, that notation will also permanently appear on the student’s official transcript. The statuses that will appear permanently on a student’s official transcript include those listed (in bold type) below. Also listed are examples of applicable requirements.

- **Required to Withdraw for Academic Reasons** (e.g., failing to maintain a minimum GPA of 3.000; see the section below)
- **Required to Withdraw for Academic Misconduct** (e.g., academic dishonesty; see http://bulletin.marquette.edu/grad/theseschool/policies/academichonesty)
- **Required to Withdraw for Non-Academic Reasons** (e.g., violations of the Student Conduct Code; see http://www.marquette.edu/osd/policies/index.shtml)
- **Required to Withdraw for Unsatisfactory Degree Progress** (e.g., failing to meet the 8-year time limit for completing a doctoral degree, a second failure on a comprehensive or qualifying exam; see the Satisfactory Progress Toward the Degree section above)
- **Required to Withdraw for Professional Performance Reasons** (e.g., unsatisfactory performance in clinical programs; see http://bulletin.marquette.edu/grad/theseschool/policies/professionalperformance)
- **Required to Withdraw for Professional Integrity Reasons** (e.g., violations of professional integrity or an applicable ethics code; see http://bulletin.marquette.edu/grad/theseschool/policies/professionalintegrity)
- **Reinstated on Probation** (following a successful appeal of a dismissal)

Academic Grade Requirements

All students in the Graduate School are expected to maintain a minimum cumulative grade point average (GPA) of 3.000 in all Marquette course work. These are minimum standards for grades; individual programs may specify higher standards to which students will be held by the programs. Any higher standards specified by individual programs are noted in program handbooks.

Academic Probation and Dismissal

Students who do not meet the GPA requirements listed below will be academically dismissed (i.e., **Required to Withdraw for Academic Reasons** and they will also be found to have failed to meet the financial aid requirements for making **Satisfactory Academic Progress**. These students will be dropped from any future terms in which they may be registered, will not be eligible to receive financial aid, and will be required to return any financial aid that may have been distributed since the grades were received.

- Students who have attempted 9 or fewer credit hours must maintain a cumulative GPA of at least 2.500.
- Students who have attempted more than 9 credit hours must maintain a cumulative GPA of at least 3.000.

Students who obtain a cumulative GPA of at least 2.500 but less than 3.000 in their first 9 attempted credits of course work will be placed on **Academic Probation** and will be notified that they will subsequently be dismissed if they fail to raise their cumulative GPA to 3.000 by the time they attempt more than 9 credits of course work. Attempted course work includes courses in which grades of W (Withdrawal), I (Incomplete), IX (Incomplete course work and final exam not taken), or X (final exam not taken) are obtained.

Students who receive an F or U in any course, whether for credit or not, will either be placed on probation or be dismissed even when their cumulative GPA is 3.000 or above. Depending on the nature and seriousness of the reasons for receiving the F or U, a student may be dismissed for failing to meet expectations for professional performance, professional integrity, academic honesty, or the other categories of withdrawal reasons noted above. If the student is not dismissed, he or she will be placed on **Academic Probation** which will often include specific conditions that must be met to avoid additional academic censure after the next fall, spring, or summer term.

Students whose grades fall below 3.000 in any individual term, even though their cumulative GPA remains above 3.000, will receive notice alerting them of the potential for dismissal if their grades fall further. This notice does not affect a student’s ability to register for courses for the next term, but is given to encourage students to avoid academic censure in the future.

In addition to the above requirements, students must complete at least 75% of their cumulative credit hours attempted to retain eligibility for financial aid. The Office of Student Financial Aid conducts a review at the end of each spring term to identify students who fail to meet this requirement for **Satisfactory Academic Progress**. Students failing this requirement are allowed to continue at Marquette University, but they will not be eligible to receive any federal financial aid unless their case is appealed and overturned (see appeals process below). Failing to
meet this requirement is not an academic censure (unless it is also found to comprise unsatisfactory degree progress), but it is noted here because it can affect students’ ability to continue in their program.

**Appeals**

Students have the right to appeal the imposition of any sanctions due to unsatisfactory academic performance, findings of academic dishonesty, unsatisfactory professional integrity or performance, or student misconduct. The point of appeal is dependent upon who has the responsibility for imposing the sanction. For example, cases of academic dishonesty are governed by Marquette University’s Academic Honesty Policy.

**Appeal of Dismissal for Required to Withdraw for Academic Reasons**

A student who has been dismissed for failing to meet the cumulative grade point requirements stated in the previous section may appeal the dismissal by completing and submitting one form which addresses both the Required to Withdraw for Academic Reasons (RWAR) and the Satisfactory Academic Progress (SAP) issues.

The RWAR/SAP appeal forms are posted on the Marquette Central website, at http://www.marquette.edu/mucentral/registrar/policy_forms.shtml, and include all of the required information the student must submit in order to have his or her appeal reviewed. The appeal form must include an academic plan that addresses how the student’s academic deficiencies will be addressed and how the student will regain satisfactory academic standing. The plan must be measurable and ensure that the student is able to meet Marquette’s academic standards by a specific point in time. The plan should include courses to be taken, expected grades, and a timeframe to complete the outlined objectives. This plan requires the approval of the student’s director of graduate study (DGS), signified by the DGS’s signature on the form, before it can be submitted to the Graduate School.

The completed appeal form is submitted to the associate dean of the Graduate School, the person who makes the final decisions on all RWAR/SAP appeals. If the appeal is approved, the student will be Reinstated on Probation and the DGS and the Graduate School will monitor the plan that was specified on the appeal form. The student will also become eligible for financial aid at this time. During the subsequent academic term, however, should the student not fulfill all of his or her obligations as outlined in the plan, the student will be evaluated by the Graduate School and a determination will be made regarding whether the student will be allowed to continue in his or her program or placed on another term of probation.

**Appeal of Dismissal for Other (Non-GPA) Reasons**

Students dismissed for reasons other than cumulative grade point average or academic dishonesty may appeal their dismissal using the procedures described below. (Students dismissed due to unsatisfactory cumulative grade point average may appeal their dismissals using the procedure described in the section above, and students who are dismissed due to academic dishonesty may appeal their dismissals according to the policy found above or via http://bulletin.marquette.edu/grad/thegraduateschool/policiesofthegraduateschool/#academichonestypolicy.)

Within 10 days after the date of the dismissal for reasons other than cumulative grade point average or academic dishonesty, a student may appeal the decision by submitting a letter of appeal to the dean of the Graduate School. The dean of the Graduate School will decide whether to hear the appeal alone or to convene a meeting of a subcommittee of the University Board of Graduate Studies to weigh the appeal materials and to obtain testimony delivered live to the subcommittee by the student and academic unit representatives. Situations dealing only with substandard academic performance will typically be considered by the dean, whereas issues dealing with an alleged violation of rights or procedures may be referred to a subcommittee of the UBGS. If referred to a subcommittee of the UBGS, the recommendation of the subcommittee as well as all materials provided to the subcommittee by the student and the academic unit will be considered by the dean of the Graduate School, whose decision on the appeal is final.

Dismissed students may apply for readmission by following the procedures found in the Admission and Readmission section of this bulletin.

**Advising**

In the admission letter, the Graduate School notifies each student to contact his/her department for identification of the assigned adviser and for advising prior to registration. A student is required to meet or talk with the adviser before registering for classes. The Graduate School strongly recommends that students meet regularly with their advisers; an adviser plays an important role in the graduate student’s course of study. An adviser’s signature is required on most forms submitted to the Graduate School and a student’s program of study is not valid until it has been approved by both the adviser and the Graduate School. Students who want to change advisers should check with their department for additional information and instructions.

Non-degree and temporary graduate students are normally not assigned academic advisers. Students in these categories who need assistance should contact the department in which they will focus their course of study.

**Assistantships and Fellowships**

All graduate students that receive merit-based graduate assistantships and fellowships must be full-time students in the term in which they receive the aid. All graduate students that receive merit-based scholarships from the Graduate School are not required to be registered full time. For assistantships, full-time status can be achieved by taking six credits of course work plus Graduate Assistant Teaching, Graduate
Assistant Research or Graduate Fellowship, depending on the award received. These zero-credit courses will carry the status of full-time when combined with six credits of course work.

The following course numbers will be used in conjunction with the department acronym:

Graduate Fellowship (full-time, FT) = 9974

Graduate Assistant Teaching (full-time, FT) = 9975

Graduate Assistant Research (full-time, FT) = 9976

Students may use their assistanship funding to pay for Graduate Assistant Teaching, Graduate Assistant Research or Graduate Fellowship course fees. It is not required that all TAs and RAs be registered for one of these continuation courses; if a student already meets full-time status based on course work, then these continuation courses need not be used to obtain full-time status.

Registration Procedures

Teaching and research assistants, and recipients of scholarships or fellowships, must register for the appropriate course, which will be graded on an SNC/UNC basis. Registration will require the consent of the student’s adviser and department, which must be secured prior to registering.

Registration requires the following procedures:

1. The student and his/her adviser meet and complete the registration form.
2. The student will be given a permission number to be used during the registration process.
3. The student registers via CheckMarq for the appropriate course, using the permission number received.
4. The completed and approved form shall be delivered to the Graduate School.

Background Checks, Drug Testing

Some degrees, majors and/or courses may require a student to submit to a criminal background check and/or drug testing. The results of those checks and/or tests may affect the student’s eligibility to continue in that degree and/or course.

Commencement

Commencement at Marquette is a symbolic ceremony provided for students, faculty and families in celebration of our students’ accomplishments. Following is the policy on when a student may participate in the spring or winter Commencement.

1. Students may participate in only one university Commencement per degree, and their names will only be published in the Commencement program in which they participated.

2. Spring Commencement:
   • Students who are in good academic standing, have met the appropriate graduation application deadline and will complete their degree requirements, including the official recording of any transfer work, by the end of the spring term will participate in spring Commencement.
   • Master’s students, who are in good academic standing, have met the appropriate graduation application deadline and will complete their degree requirements, including the official recording of any transfer work, by the end of the summer term and are pre-registered for those final requirements may participate in spring Commencement. This paragraph does not apply to doctoral candidates since they are not eligible to participate in Commencement until they have completed all degree requirements.

3. Winter Commencement:
   • Students who are in good academic standing, have met the appropriate graduation application deadline and will complete their degree requirements, including the official recording of any transfer work by the end of the fall term will participate in winter Commencement.
   • Students who completed their degree requirements in August and did not participate in spring Commencement will participate in winter Commencement.

4. Ph.D. Candidates:
   To participate in spring or winter Commencement, doctoral candidates must have met the appropriate graduation application deadline, successfully defended their dissertation, received approval by their dissertation committee for any required revisions, submitted their dissertation to the Graduate School, and received approval of the dissertation format by the Graduate School before the published Academic Calendar deadline for the respective Commencement.

5. Students who participate in Commencement without completion of their degree requirements will have their names published in the Commencement program with a notation indicating the expected term of completion; however, these students will not have any graduation honors noted. This paragraph does not apply to doctoral candidates since they are not eligible to participate in Commencement until they have completed all degree requirements.
6. Degree conferral is certified by the official Marquette transcript noting the degree completion. Receipt of a diploma or the participation in Commencement does not constitute certification of degree conferral.

7. Any exceptions to this policy must be approved by the provost.

Conduct

Professional Integrity

To function properly and maintain high standards, academic and professional disciplines expect members to adhere to standards of conduct and professionalism. Marquette expects its graduate students, from the beginning of their work at Marquette, to demonstrate the utmost personal integrity and the highest standards of professionalism, including adherence to any commonly recognized codes of conduct or professional standards in the graduate student’s discipline. In dealing with the public or campus community, in clinics, practica, internships, classrooms or elsewhere, graduate students must adhere to these standards. Violations of these standards may be grounds for dismissal or other penalties.

Professional Performance

All students in professional, laboratory, or clinical settings must maintain fully professional behavior at all times. If, in the judgment of the academic unit, a student is not living up to the non-academic standards, and that deficiency is a first offense or an offense deemed to be less serious in nature, a warning letter may be issued by the department to the student. If, however, the unsatisfactory behavior is a repeat offense or is more serious in nature, a recommendation may be made to the dean of the Graduate School that the student be dismissed from the graduate program.

Student Conduct Code and Procedures

Graduate students are responsible for complying with the regulations and/or procedures of the Graduate School or the Graduate School of Management, as applicable, as well as those set forth in the At Marquette student handbook. Violations of regulations found in the student handbook will be administered by the Office of Student Development. Copies of At Marquette are available at the Office of Student Development or online at mu.edu/osd/policies/doc/Student_Handbook.pdf (http://www.mu.edu/osd/policies/doc/Student_Handbook.pdf). If there is a conflict between the two applicable regulations or procedures, the Graduate School’s or the Graduate School of Management’s, as applicable, will govern. If there are multiple components to the case, they may be separated and reviewed independently by the appropriate authorities.

Confidentiality of Proprietary Information

The university recognizes that the primary purpose of research and scholarship is to train future scholars and disseminate new knowledge for the benefit of humankind. However, commercially valuable inventions and discoveries also may result. Graduate students, during the course of their studies and work at the university, may receive access to confidential or proprietary information from the university, its faculty and employees, and/or private companies. A student, both while a student and thereafter, is expected to respect and maintain the confidentiality of such information. In certain unusual cases, a student may be asked to sign an additional confidentiality agreement. Unauthorized use or dissemination of another’s confidential or proprietary information is subject to appropriate legal recourse and/or academic discipline, including termination from the program.

Intellectual Property

Students will acquaint themselves with the university’s Intellectual Property Policy, found at marquette.edu/orsp/documents/IntellectualPropertyPolicy.pdf. Marquette University students are subject to the policy when, working for pay or for academic credit, they participate in faculty research programs.

Continuous Enrollment

All graduate students in degree status must enroll in either: adviser-approved course work; thesis, professional project, or dissertation credits; one of the continuation courses; or a combination of these every fall and spring term until graduation to maintain their graduate student status. Graduate students who intend to graduate in August must enroll in one of the above courses during the summer term prior to their graduation. Students who fail to register for one of these terms will automatically be discontinued and must apply for readmission. Readmission requires departmental consent and the payment of all fees in arrears. Continuation courses allow those graduate students who have completed their degree requirements but are still working on their thesis, project or dissertation to be considered full-, half-, or less than half-time students.

Every graduate student, except those with non-degree status, must be enrolled as a full-time, half-time, or less than half-time student each fall and spring term to maintain his or her status. Registration in the summer is only required if the student intends to graduate in August. A full-time load consists of 7 or more academic credits; half-time consists of 4-6.99 academic credits; and less than half-time consists of less than 4 academic credits. All degree graduate students must enroll in adviser-approved academic course work; independent study; field placement; graduate assistant teaching or research; thesis, professional project, or dissertation credits; comprehensive exam preparation; or graduate standing continuation credits. Degree students who fail to enroll for a fall or spring term will be discontinued and must apply for readmission to the Graduate School.
Thesis, Dissertation, or Professional Project Continuation

Students who have completed all credit requirements for their degree but need to continue work on their thesis, dissertation or professional project may retain graduate status by enrolling in Master’s Thesis Continuation (9994/9995/9996), Doctoral Dissertation Continuation (9997/9998/9999), or Professional Project Continuation (9991/9992/9993). Each of these non-credit courses will allow students to be considered full-time, half-time, or less than half-time depending on the amount of work being completed on their project each term. Registration for Master’s Thesis Continuation, Doctoral Dissertation Continuation, or Professional Project Continuation requires completion of a registration form, identification of the type and amount of work to be done, and the approval of the student’s adviser or thesis/dissertation director (and director of graduate studies or chair if required by departmental policy).

Field Placement Continuation

Students who have completed all credit requirements for their degree but still must participate in a practicum or internship experience may retain graduate status by enrolling in Field Placement Continuation (9977/9978/9979). This non-credit offering will allow students to be considered full-time, half-time, or less than half-time depending on the amount of work being devoted to their placement each term. Registration for Field Placement Continuation will require the consent of the student’s adviser or thesis/dissertation director (and director of graduate studies or chair if required by departmental policy) and completion of a registration form outlining the number of hours a student will devote to the Field Placement Continuation.

Graduate Assistantships

Graduate assistants who enroll in 6 academic credits in a term may earn full-time status by enrolling in a non-credit Graduate Assistant Teaching (9975) or Graduate Assistant Research (9976) course. Graduate fellows may enroll in six academic credit hours plus a non-credit Graduate Fellowship course (9974) to maintain full-time status.

Comprehensive Exam Preparation

Students who are preparing for comprehensive exams may retain graduate status by enrolling in the appropriate Master’s Comprehensive Exam Preparation course (9984/9985/9986) or Doctoral Comprehensive Exam Preparation course (9987/9988/9989). These zero-credit courses are graded on an SNC/UNC basis, and they may be taken alone or in conjunction with for-credit courses.

The Comprehensive Exam Preparation course will normally be taken during the term in which the student anticipates taking the exam, and it may be taken only once. If the student either fails the exam or for some reason does not take the exam, the student should register for Graduate Standing Continuation (9970) for less than half-time status for the following term to retake or complete the exam.

Graduate Standing Continuation

Students who are not able to take academic courses in a particular session, but need to maintain active academic status, may take a non-credit course entitled Graduate Standing Continuation (9970). This offering is designed to allow graduate students to engage in such activities as completing preparation for comprehensive examinations or participating in other projects. This option is designated as less than half-time, cannot be used in conjunction with other courses, and will not qualify an individual for financial aid.

Continuation Course Registration Procedures

All continuation courses shall be graded Satisfactory (SNC) or Unsatisfactory (UNC) and charged at the stated fee by the Office of the Bursar as listed in the Tuition, Fees and Housing section of this bulletin. Any needed registration forms can be found on the Graduate School’s forms website at marquette.edu/grad/forms_index.shtml. Registration is as follows:

The appropriate registration form must be approved by the student’s adviser and director of graduate studies/chairperson, and the student must have registered for the course on or before the last day of registration.

Enrollment information may not be accurate for students who are not registered by the close of registration and may affect requests for information provided through the Office of the Registrar (such as enrollment verification requests from lending institutions, insurance companies, etc.).

Students enrolling in one of these courses must register to activate their desired status. Registration will require the consent of the student’s adviser and department, which must be secured prior to registering.

Registration requires the following procedures:

1. The student and his/her adviser meet and complete the registration form. An explanation of the student’s involvement in non-credit academic work is required.
2. The student will be given a permission number to be used during the registration process.
3. The student registers via CheckMarq for the appropriate course, using the permission number received.
4. The completed and approved form shall be delivered to the Graduate School.

Courses and Prerequisites

1. The prerequisites for any graduate program include an undergraduate major which has qualified the student for either research or academic work at advanced levels.
The courses described for each program are graduate offerings. These are numbered 6000-9999. Courses numbered 5000-5999 are courses that are taken for graduate credit, cross-listed with 4000-level undergraduate courses. The last three digits and titles of the 4000-level and the 5000-level cross-listed courses are identical. Prerequisites for undergraduate 4000-level courses, found in the Undergraduate Bulletin, may also be required for the 5000-level cross-listed courses. Undergraduates who anticipate eventual graduate academic work are eligible to take 5000-level courses.

All 5000-level courses are based on upper-division undergraduate courses that have been approved for graduate credit. With the approval of their department and the Graduate School, students may take a limited number of 5000-level courses and count them toward their degree requirements. When a 5000-level course is taken, the student must complete a Graduate Credits Requested for Undergraduate Course form, found at marquette.edu/grad/forms_index.shtml, to detail the additional work that will justify the granting of graduate credit.

Some courses are listed with a variable number of credits (e.g., 1-3 credit hours). Usually the department or college determines the specific number of credits for these courses each term. This information is published on CheckMarq at marquette.edu/mucentral/registrar/snapshot prior to each registration. For a few variable credit courses, (e.g., master’s thesis, doctoral dissertation) the bulletin indicates the possible number of credits which might be taken during a given term. Students should consult with their adviser before registering for these types of classes to determine the appropriate number of credits for which to enroll.

The specific courses offered during any given term will be listed on CheckMarq for that term.

Course Load

The maximum academic course load for a graduate student is thirteen semester hours of course work for fall or spring term. Residents in the graduate dental programs have higher limits. Seven hours are the maximum permitted for each of the summer sessions but no more than 13 credits for the entire summer term. Teaching or research assistants may register for a maximum of ten semester hours each fall or spring term and seven hours for each of the summer sessions. Overloads must have the approval of the Graduate School on the Credit Overload Request form, available on the Office of the Registrar’s website at marquette.edu/mucentral/registrar/reg_studentselfservice.shtml.

Deadlines

All graduate students are responsible for ascertaining and meeting all deadlines listed in the Academic Calendar. This includes, but is not limited to: deadlines for registration, withdrawing from courses, graduation applications, comprehensive exams, theses, essays, projects and dissertations.

Diplomas

Diplomas are typically distributed at the May Commencement ceremonies. Any special arrangements for the mailing of May diplomas, etc., must be made directly with the Office of the Registrar. August and December diplomas are available for pick up or can be requested by mail from the Office of the Registrar. The Office of the President sends announcements to the names indicated on the Graduation Application that each graduating student submits online to the Graduate School. However, there is no limit to the number of family members and friends who may attend the university-wide Commencement exercises; tickets are not needed. Department Commencement exercises, if occurring, may require tickets. For further information contact University Special Events at (414) 288-7431 or visit the Commencement website at marquette.edu/graduation/index.shtml.

Enrollment Changes

Changes in a graduate student’s enrollment are under the jurisdiction of the Graduate School. Most enrollment changes, i.e., adding and withdrawing from courses, can be done using the online registration system (CheckMarq) prior to the close of registration (typically the second Tuesday of the term). Instructions for adding or withdrawing from courses are available at marquette.edu/mucentral/registrar/reg_index.shtml. Instructions for using CheckMarq are available at marquette.edu/mucentral/registrar/reg_studentselfservice.shtml.

After the close of registration each term, the student must notify the Graduate School office directly and must complete appropriate forms before any enrollment change will become effective. It is not sufficient for a student to notify the course instructor or someone in the department office; changes must be made manually.

A student is responsible to ensure that his/her course schedule for each term accurately reflects the courses he/she plans to attend and may not attend courses in which he/she has not officially registered. The University does not retroactively register students for courses after a term is completed and reserves the right to deny credit to any student who fails to officially register in any course within the term in which the course is offered. All courses for which the student is registered are subject to tuition and in some cases, additional fees. The student is responsible for any payment due on all officially registered courses, regardless of attendance.

Adding Courses

Students who wish to add one or more courses after the close of registration must submit a Request to Add a Course form, available online at marquette.edu/grad/forms_index.shtml. New courses will not be added to a student’s enrollment until a completed Request to Add a Course form, with the signature of the course instructor, is returned to the Graduate School office.
Dropping Courses

Students who, after the close of registration, decide to withdraw from one or more, but not all courses in a particular term or summer session must notify the Graduate School office by obtaining a Request to Drop a Course(s) form online at marquette.edu/grad/forms_index.shtml. It is extremely important that the student contact the Graduate School office as soon as the decision to withdraw is made. Changes will not be processed or be considered official until the appropriate forms, with all required signatures, are returned to the Graduate School office. Forms may be mailed, dropped off in person, or faxed to (414) 288-1902. Tuition refunds and W (Withdrawal) grades will be based on the date that the form is submitted to the Graduate School office, not on the date that the student last attended classes or signed the form.

A student who wishes to withdraw from a course with a W (Withdrawal) grade must do so before the deadline date listed in the Academic Calendar. Due to excessive absences or other reasons, including failure to formally withdraw before the deadline, a student may be administratively withdrawn from a course and incur a grade of either ADW (Administrative Withdrawal), UW (Unexcused Withdrawal), WA (Withdrawn-Excessive Absences) or F (Failure).

When withdrawing from any portion of a course load, students must carefully consider the ability of their remaining enrollment to satisfy any enrollment requirements to which they might be subject due to applications for student loans, loan repayment deferments, visas, etc. In the case of a UW grade, the fact that a student did not attend class, does not relieve that student of the obligation to pay any tuition and/or fees that are due. Students assume responsibility for all consequences that ensue as a result of receiving any withdrawal grade. The consequences may include, but are not limited to: a delay in graduation, dismissal from the degree program, external institutions/entities viewing these grades as failing grades, loss of eligibility for certain scholarships and/or financial aid, loss of full-time status and/or loss of any refunds.

Withdrawing From All Courses for a Term

Students enrolled for one or more classes who, after the close of registration, decide to discontinue study for the term must notify the Graduate School office and complete a Request to Drop a Course(s) form. The same rules, procedures, and cautions for partial withdrawals also apply to complete withdrawals. (Refer to Dropping Courses, above.) Withdrawing from all courses will not automatically withdraw a student from a graduate program, but it might affect the student’s eligibility to register in subsequent terms.

Enrollment Status

Every graduate student, except those with non-degree status, must be enrolled as a full-time, half-time, or less than half-time student each fall and spring term to maintain his or her status. Registration in the summer is only required if the student intends to graduate in August. A full-time load consists of 7 or more academic credits; half-time consists of 4-6.99 academic credits; and less than half-time consists of less than 4 academic credits.

Family Education Rights and Privacy Act (FERPA)

In compliance with the Family Educational Rights and Privacy Act, Marquette University notifies its students each term of their rights to inspect, amend and prevent disclosure of their education records. In addition, Marquette’s policy regarding education records is printed in the At Marquette student handbook and copies may be obtained from the Office of Student Development in the Alumni Memorial Union, 329, or online on at marquette.edu/mucentral/registrar/policy_ferpa.shtml.

Grade Appeals

All grade appeals shall be heard for the Graduate School by the school or college that teaches the course, following the rules of that school or college. Their decision is final, and no further appeal is available. In schools or colleges with a departmental structure, the appeal procedure usually begins with the department chairperson.

Grading System

The following letter grades and their achievement equivalents are used by instructors in the Graduate School to evaluate a student’s performance in a course. Grade points corresponding to each letter grade determine a student’s academic average and eligibility to graduate. Each grade, A through F, has a specific grade point value. The grade points earned in any course equal the grade point value of the grade multiplied by the number of semester hours credited. The grade point average (GPA) is found by dividing the total grade points earned by the total number of semester hours credited in those courses for which grade points have been assigned. Determination of the cumulative GPA will be based on all courses taken during the student’s graduate career, including prerequisite and repeated courses, if any. Note: Credits that are accepted for a Marquette degree, if transferred from another university, will not be included when calculating the student’s grade point average.

All graduate students must maintain a grade point average of at least 3.000 to graduate. (For the effect of F and U grades, refer to Academic Review.) Graduate students may not be assigned a CD or a D grade in any course whatsoever, including undergraduate courses.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Achievement</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Superior</td>
<td>4.000</td>
</tr>
<tr>
<td>AB</td>
<td></td>
<td>3.500</td>
</tr>
<tr>
<td>Grade</td>
<td>Circumstance</td>
<td></td>
</tr>
<tr>
<td>-------</td>
<td>-----------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td></td>
</tr>
<tr>
<td>BC</td>
<td>Minimally acceptable on a limited basis for graduate credit</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Not approved for graduate students</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Not approved for graduate students</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Failure</td>
<td></td>
</tr>
</tbody>
</table>

Grade points are not affected by the following grades:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Circumstance</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADW</td>
<td>Administrative Withdrawal; student was withdrawn from the course for administrative reasons, as determined by approved personnel of the university, including but not limited to the dean, or personnel of a committee involved in formal hearing and/or appeal process.</td>
</tr>
<tr>
<td>AU*</td>
<td>Audit.</td>
</tr>
<tr>
<td>CR</td>
<td>Credit; equivalent of C work or better.</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete; assigned on a pre-arranged basis, to allow completion of course assignments other than the final examination; the student’s performance in the course must merit this exception otherwise, the instructor will assign either a grade of F, or a passing grade that reflects both the quality of the work completed and the significance of the work which has not been completed.</td>
</tr>
<tr>
<td>IC</td>
<td>Course Incomplete; assigned to all students enrolled in a course, clinical, independent study/research, capstone, etc. that will not be completed by the grading deadline for the term in which the course is scheduled; changed to a letter grade by the faculty at the time of completion (no initiation needed by the student).</td>
</tr>
<tr>
<td>IE</td>
<td>Incomplete Extension; assigned by the college office to those students who are granted an extension to the deadline for removal of an I, IX or X grade.</td>
</tr>
<tr>
<td>IX</td>
<td>Incomplete course work and final exam not taken; assigned to a student who has incomplete course work and is absent from the final examination; must meet the criteria for both the I grade and the X grade; a student not qualifying for the IX will be assigned the grade of F.</td>
</tr>
<tr>
<td>NC</td>
<td>No Credit; equivalent of less than C work.</td>
</tr>
<tr>
<td>PI</td>
<td>A permanent grade assigned to those graduate students who do not have the temporary grades of I, IX, or X removed by the published deadline.</td>
</tr>
<tr>
<td>SNC</td>
<td>Satisfactory completion in a course bearing no credit; mandatory grade for all zero credit bearing courses.</td>
</tr>
<tr>
<td>UNC</td>
<td>Unsatisfactory completion in a course bearing no credit; mandatory grade for all zero credit bearing courses.</td>
</tr>
<tr>
<td>S</td>
<td>Satisfactory completion in a credit bearing competency-based course; equivalent of C work or better.</td>
</tr>
<tr>
<td>SY</td>
<td>A permanent grade indicating satisfactory work completed in the first term of a series of year-long courses, where grades are assigned only in the final course in the series.</td>
</tr>
<tr>
<td>U</td>
<td>Unsatisfactory completion of a credit bearing, competency-based course; equivalent of less than C work.</td>
</tr>
<tr>
<td>UW</td>
<td>Unexcused withdrawal; withdrawal initiated by the faculty or college office when a student registered for a course, never attended and failed to officially withdraw.</td>
</tr>
<tr>
<td>UY</td>
<td>A permanent grade indicating unsatisfactory work completed in the first term of a series of year-long courses, where grades are assigned only in the final course in the series.</td>
</tr>
<tr>
<td>W**</td>
<td>Official withdrawal; withdrawal initiated by the student, with approval of the college office.</td>
</tr>
<tr>
<td>WA</td>
<td>Withdrawn-Excessive Absences; withdrawal initiated by the faculty or college office due to excessive absences in the course.</td>
</tr>
<tr>
<td>X</td>
<td>Completed course work and final exam not taken; assigned to a student who is absent from the final examination and who might earn a passing grade in the course were he/she to take a delayed examination; both conditions must exist, or the student is assigned the grade of F; student receiving the grade of X must file a written explanation for the absence with his/her college office.</td>
</tr>
</tbody>
</table>

* Carries no graduate credit. Refer to Audit, below.  
** Signifies an official withdrawal with the approval of the vice provost for research and dean of the Graduate School.

**Note that grades of CD and D are not approved for graduate students, including those in undergraduate courses.**

**ADW Grade**

Any student who is administratively withdrawn from the university will receive this grade in all classes for the term. Likewise any student who is administratively withdrawn from a single class, will receive this grade in the class. Administrative withdrawal is an action normally taken by the university for disciplinary, lack of professional competence or academic reasons other than low grades or lack of degree progress. This
grade is assigned by the college office and, depending on the reason for the administrative withdrawal, may be recommended by the student
affairs division, and will take precedence over any other grade assigned to the student.

**Audit**

Students must first register for a course via CheckMarq, then request the audit option from the Graduate School. The Audit Request Form
on the Graduate School’s website marquette.edu/grad/forms_index.shtml is used for this request. The deadline to request the audit option
for each session is listed on the University Academic Calendar. Classes being audited are not charged at the normal tuition rate. Refer to the
Tuition, Fees and Housing section of this bulletin for information on tuition rates.

**CR/NC Grading**

Under no circumstances may the undergraduate CR/NC option be exercised by a graduate student taking an undergraduate course for
graduate credit.

**S/U Grading**

Graduate students required to take undergraduate courses as prerequisites or to remedy deficiencies may not take those courses for S/U
grades, as this option is not available.

However, a few select graduate courses are offered for S/U grades only. Courses of this type usually are limited to practica, department
colloquia, or special seminar courses. Students should check the individual course descriptions in this bulletin and the grading basis when
conducting a class search in CheckMarq to determine whether a course is offered on this basis.

For the effect of U grades, refer to Academic Review.

**Grade Changes**

There are two types of grade adjustments: changing a temporary grade (I, IC, IE, IX or X) to a permanent grade, and correcting a permanent
grade.

**Temporary Grades — I, IC, IE, IX or X**

Graduate students who do not complete course requirements during the term in which the class is offered may be given one of the following
temporary grades after consultation with their instructor: X, when the final examination is missed; I, when the course work has not been
completed; IE, when an I grade extension has been approved via student request (Request for Extension of I Grade Deadline form, found at
marquette.edu/grad/forms_index.shtml; or IX, a combination of missed final examination and incomplete course work. The temporary grade
of IC is issued when the course extends beyond the grading period.

The faculty member must submit a grade change form, found in CheckMarq, to change an I, IC, IE, IX or X to a permanent grade. The grade
change deadline listed in the Academic Calendar pertains to I, IX, and X grades. For these grades, the student is obligated to submit all
missing work to the instructor by the deadline, or to issue an extension request to the Graduate School by the deadline.

It is the responsibility of the faculty member to initiate the grade change procedure for the I, IX, and X grades by the deadline listed in the
Academic Calendar. Grades of I, IE, or IX or X that are not resolved by the deadline will become permanent grades of PI on the student’s
record. Change of the IC grade is faculty initiated, once the class is completed.

**Correcting a Permanent Grade**

Changing a permanent grade, because of miscalculation on the part of the instructor or a misunderstanding between the instructor and the
student, may be initiated by either the student or the instructor. Changing a permanent grade should be done within six months of the end of
the term.

**Graduate Credit**

A graduate student who has been officially accepted into the Graduate School can earn graduate credit for a course if the course is a 6000-
level course or higher, or the course is a 5000-level course that is cross-listed with a 4000-level undergraduate course. In the case of a
5000-level course, the student must document the additional academic work that is required to justify graduate credit by completing the
Graduate Credits Requested for Undergraduate Course form, available online at marquette.edu/grad/forms_index.shtml. This form must be
submitted by undergraduate or graduate students who wish to receive graduate credit for a 5000-level course. (Undergraduate students see
section on Undergraduate Students in Graduate Courses.)

Graduate students taking courses while in a non-degree status may request subsequent transfer of credits to their degree program, once
formally admitted to a degree program, by submitting a Master’s Degree Transfer of Credit Request Form, available online at marquette.edu/
grad/forms_index.shtml.
Graduation

All students must apply for graduation by the deadline specified in the Academic Calendar. Application forms for Graduate School students are available online at marquette.edu/grad/forms_index.shtml. Graduation deadlines are scheduled well in advance of the date of Commencement to allow time for student academic audits and for printing diplomas, graduation invitations and program booklets.

The awarding of a degree or certificate is contingent upon the student’s successful completion of all program requirements prior to the date of graduation. A cumulative grade point average of 3.000 or above is also required to graduate. Any exceptions to the total credits and minimum grade point average requirements for any degree and/or certificate must be approved by the provost. If a student fails to graduate at the time originally anticipated, he or she must reapply online for the next graduation before the appropriate deadline stated in the Academic Calendar.

Students who have completed all of their degree or certificate requirements prior to a specific graduation date, but who have missed the graduation application deadline, may request a letter from the Graduate School certifying the completion of their program. The student must still apply for graduation and the diploma will reflect the next graduation date.

Policy Governing Graduation Dates

Marquette University offers graduation on a weekly basis during the summer months and on a monthly basis during the academic year. However, each college may develop a policy that will guide the implementation of this process for students in that college. This statement addresses the policy as implemented by the Graduate School.

It is the policy of the Graduate School that only specific additional graduation dates will be implemented, and then only for students in specific academic disciplines. The additional graduation dates will be used to accommodate students who will be or have earned a professional certificate issued by an agency other than Marquette University. This will include Wisconsin teaching licensure, the licensure in clinical psychology, and the specialty certificates in orthodontics, endodontics, and prosthodontics issued by the American Dental Association.

All graduate students other than those listed in the paragraph above will be restricted to graduating in May, August, or December of each year according to the Academic Calendar. In addition to these three regular graduations, the following additional graduation cycles will be implemented for the groups of students specified:

• Last working day of June – This will be utilized specifically for students in educational policy and leadership who are completing their student teaching, where the student teaching requirement is the final requirement necessary for graduation. This applies to master’s degree and certificate students. Additionally, graduate dental students earning their master’s degree and specialty certificate in orthodontics, endodontics, or prosthodontics may be eligible for this graduation date on an exception basis if they fail to meet the May graduation deadline for approval of the thesis.
  • In the case of both education and graduate dental students, applications for June graduation must be submitted by the deadline for May graduation.
  • Graduate dental students must submit an approved thesis and all other graduation requirements no later than June 1.

• Last working day of September – This option will be available for clinical psychology doctoral students who complete their pre-doctoral internship and/or their dissertation defense and dissertation submission after the deadlines established for the August graduation, but before the September graduation deadline. Students shall be responsible for applying for September graduation, and for completing all graduation requirements, no later than the last working day of August.

• Last working day of October - This option will be available for clinical psychology doctoral students who complete their pre-doctoral internship and/or their dissertation defense and dissertation submission after the deadlines established for the September graduation, but before the October graduation deadline. Students shall be responsible for applying for October graduation, and for completing all graduation requirements, no later than the last working day of September.

• Last working day of January – This option will be available for clinical psychology doctoral students who complete their pre-doctoral internship and/or their dissertation defense and dissertation submission after the deadlines established for the December graduation, but before the January graduation deadline. In addition, this deadline will be available for students in educational policy and leadership who are completing their student teaching, where the student teaching requirement is the final requirement necessary for graduation. This will apply to master’s degree and certificate students.
  • Students in clinical psychology shall be responsible for applying for January graduation and for completing all graduation requirements no later than the last working day of December.
  • Students in educational policy and leadership shall be responsible for applying for January graduation no later than the last working day of December.

• Last working day of February - This option will be available for clinical psychology doctoral students who complete their pre-doctoral internship and/or their dissertation defense and dissertation submission after the deadlines established for the January graduation, but before the February graduation deadline. Students shall be responsible for applying for February graduation, and for completing all graduation requirements, no later than the last working day of January.
Students who miss the deadlines for October or February graduation must wait until the following December or May to graduate, and in such cases will be responsible for meeting the established deadlines for those graduation cycles.

In exceptional cases, students enrolled in other graduate programs not explicitly covered in the above policy may also be permitted to graduate during the additional graduation cycles providing that the student applies to graduate, has the support of their department, and the Graduate School approves of their inclusion in the alternate cycle.

**Immunization and Tuberculosis Screening Requirements**

All newly admitted and readmitted undergraduate, graduate, and professional students are required to provide proof of certain immunizations and complete a TB Screening questionnaire for tuberculosis. Prior to arrival on campus all new and readmitted students will supply this information to the Student Health Service. Proof of immunization and/or prior disease for Measles, Mumps, Rubella (MMR), Varicella (chicken pox), Tetanus/Diphtheria and completion of a tuberculosis screening questionnaire is required. Immunization and tuberculosis screening forms must be completed electronically. The forms and directions can be found on the Student Health Service website at marquette.edu/shs/forms/. Failure to submit the required immunization documentation and TB screening questionnaire within 30 days of the start of the student’s first term or the readmitted term at Marquette will result in the placement of a registration “hold” on future registrations. The hold will be removed once the immunization and screening requirements have been met. Health Sciences, Nursing and Dental students may be required by their departments or colleges to receive additional immunizations. Contact your department or college for specific requirements.

**Independent Study**

Independent Study (6995 and 8995) courses provide students the opportunity to study and investigate areas of interest not available through normal course offerings. A 6995/8995 course is taken on the recommendation of the student’s adviser and with the approval of the department chairperson. An approval form, which must be completed for each 6995/8995 course, is available on the Office of the Registrar’s website at marquette.edu/mucentral/registrar/policy_forms.shtml. Normally, no more than six credits of 6995/8995 course work can be included in a master’s degree program, no more than nine credits in a doctoral program.

**Official Transcripts**

A transcript is a complete and unabridged copy of all academic work attempted at Marquette and includes only those courses attempted at Marquette. Transfer and test credits accepted toward a Marquette degree are recorded, but the grades earned are not on the Marquette transcript. Course and grade information contained on the transcript is released only upon written consent from the student, as required by the federal Family Educational Rights and Privacy Act of 1974, or as required by law. See Marquette’s FERPA policy (http://www.marquette.edu/mucentral/registrar/policy_ferpa.shtml)

The University accepts only official transcripts for the purposes of posting transfer credit or courses to the Marquette record and/or verification of a degree, diploma or certificate completion at another institution. Official transcripts are those that are printed on security paper and come directly via U.S. Mail from another institution’s record/registrar office to the Office of the Registrar (OTR), the Graduate School or are delivered electronically directly to these offices via a secured third party method that has been verified by the sending institution. All other transcripts are considered unofficial and will not be accepted or processed. Once an official transcript is received, the transcript will be used to determine credits accepted toward the graduate degree.

**Repeated Courses**

Graduate students who repeat a course, may do so under certain conditions:

1. The repeated course is taken at Marquette.
2. The repeated course is identical to the original course in subject, catalog number, title, subtitle and credits.
3. The repeated course is graded with the same grading options as the original, i.e., students may not exercise a different grading option for a repeated course, unless it is now a required grading scheme.
4. A course in which a failing grade is earned may be repeated only once.
   A failing grade is defined as any grade that is unacceptable to be counted toward degree completion. Thus, while the Graduate School's definition of a minimally acceptable grade is C, some departments will not accept a grade below a B or BC. In those cases, the department-defined minimally acceptable grade will be used to define a passing grade for students in those programs.
5. Once a passing grade is earned in a course, the course may not be repeated.
6. There are certain courses that are exempt from this policy and may be repeated. Examples are thesis and dissertation courses, independent study courses, topics courses, internship and clinical courses, UWM and MCW exchange courses, and most continuation courses.
7. If a student repeats a course that was transferred to Marquette, only the Marquette course/grade will be reflected in the total credits earned.

Should a student need to take a course more than once, other than those referenced in item #6 above, a request to repeat must be filed using the ‘Request Permission to Repeat a Course’ form found online at mu.edu/mucentral/registrar/policy_forms.shtml (http://www.mu.edu/
Additionally, the following policy defines the calculation of cumulative GPA and credit totals:

1. All courses taken while a student is in a graduate career and pursuing a specific degree/program combination will be included in the calculation of a student’s cumulative GPA.
2. When a course is repeated in an effort to earn a passing grade, both grades will be included in the calculation of the student’s cumulative GPA.
3. An F grade will have a strong negative effect on a student’s term and cumulative GPAs. Nothing in this policy will alter the normal end-of-term academic review process, which may result in the student being placed on probation or being considered for disenrollment.

Research Involving Humans, Animals, Radioisotopes or Recombinant DNA/Transgenic Organisms

If human subjects, animals, radioisotopes, or recombinant DNA/transgenic organisms are involved in a student’s research, the student must also satisfy other federally- and state-mandated requirements prior to initiating the research. These requirements are administered by the Marquette University Office of Research Compliance.

- For human subjects, the student must submit a protocol for review and approval by the Marquette University Institutional Review Board prior to initiating the project. Note that IRB approval may take up to a month or more.
- For animal research, the student must be properly trained and listed as personnel on a faculty member’s active Institutional Animal Care and Use Committee-approved animal protocol. Students are not allowed to serve as principal investigators on Marquette University animal protocols.
- For radioactive material use, only authorized users are allowed to obtain this material. Students must complete the training to become a radiation worker; radiation workers can work with radioactive materials only under the supervision of an authorized user.
- For recombinant DNA or transgenic organism research, students are only allowed to work with these materials while under the direct supervision of a faculty member who has received Institutional Biosafety Committee approval.

For more information about these four areas of compliance, including forms and submission procedures, refer to the ORC website at marquette.edu/researchcompliance. Students may contact the Office of Research Compliance for more information by phone at (414) 288-7570 (human subjects and radiation safety) or (414) 288-6271 (animals and biosafety). Approval of the outline by the Graduate School does not constitute approval by the ORC. Note that non-compliance may affect acceptance of the student’s project as part of his or her degree.

Temporary Withdrawal from Graduate Program

Marquette University supports a temporary withdrawal from graduate program policy to assist graduate students who are temporarily unable to continue their programs. The temporary withdrawal may extend for up to one academic year. Under unusual circumstances, a second year of absence may be requested. Reasons for requiring a temporary withdrawal may include: bereavement, illness, injury, care giving, military service, maternity, and paternity. Students requesting a temporary withdrawal from their graduate program must submit a formal request to the Graduate School via their department/school/unit chairperson or director. Students granted a temporary withdrawal will not have the right to use university facilities during the time of their temporary withdrawal. This includes the library, the recreation center, and any other resources normally granted to enrolled students. The temporary withdrawal must be requested prior to the start of a term and will not be approved retroactively.

Preparing the Application for Temporary Withdrawal from Graduate Program

In consultation with the supervising faculty member, the Request for Temporary Withdrawal from Graduate Program form found at marquette.edu/grad/forms_index.shtml is to be completed by the student, and signed by both the student and the adviser or supervising faculty member. The application is to be submitted to the chairperson/director for review and signature before being forwarded to the dean of the Graduate School for consideration on a case-by-case basis. The application should be made in advance of the anticipated temporary withdrawal, and the termination of the withdrawal should coincide with the end of a semester or session. In situations where it is necessary for a student to leave during a term, the student should seek a late withdrawal for that term rather than a temporary withdrawal from their graduate program. Temporary withdrawals will not be granted retroactively, i.e., for previous terms, unless the Temporary Withdrawal from Graduate Program approval process was initiated at the beginning of a term and the decision of the university was delayed.

It is the student’s responsibility to ensure that the proposed temporary withdrawal is compatible with the regulations of any granting agency from which funding would normally be received during the temporary withdrawal period, and that such agencies are informed of the proposed temporary withdrawal. Students on student loan programs are responsible for determining the consequences that such a temporary withdrawal may have on their repayment status prior to applying for a temporary withdrawal from their graduate program. International students are advised to consult with the Office of International Education regarding their immigration status prior to applying for a temporary withdrawal from their graduate program.

Students granted a temporary withdrawal from their graduate program will have their time-to-completion of degree extended by the amount of time granted by their temporary withdrawal. The continuous enrollment policy will also be held in abeyance during this time. Students
granted a temporary withdrawal are not held to the readmission process unless they do not enroll in the term indicated on the Request for Temporary Withdrawal from Graduate Program form.

Students should make every effort to resolve any grades of incomplete prior to beginning a temporary withdrawal. However, students who begin a temporary withdrawal with one or more unresolved grades of incomplete must negotiate with the course instructor(s) a time line for completion of the academic work leading to the incomplete, and must submit the time line to the Graduate School.

Graduate student assistants who are granted a temporary withdrawal from their graduate program will have their salary and stipend suspended during the period of their withdrawal.

**Time Limitations**

Students are expected to complete all requirements for their degrees in the time allowed: six years for master’s degrees and eight years for doctoral (Ph.D. and D.N.P.) degrees. The time period begins with the date of admission to degree status, or with the date of admission to non-degree or temporary status in the same or closely-related program. The start of the time period is not affected by transfer credit that may have been taken prior to admission to Marquette.

Students who are unable to complete their degrees within the allowable time may petition the Graduate School for an extension; Request for Extension of Time forms are available online at marquette.edu/grad/forms_index.shtml. To ensure timely consideration, the Request for Extension of Time form should be filed early in the term in which the time limit expires. If the extension is approved, the student is notified of the expectations for progress toward completion of the degree. If the extension is denied, the student is terminated from the graduate program at the end of the term during which the time limit will expire.

Failure to complete the program or to obtain an approved extension of time may result in the student being administratively withdrawn from the program. In such cases, students must follow the guidelines for readmission in order to be considered for readmission to their program of study.

**Transfer of Credit**

In order to protect the academic integrity and rigor of a Marquette graduate degree, limits are placed on the number of credit hours that may be transferred from other institutions, from Marquette in a different program, or from Marquette in the same program but in a different status (temporary or non-degree). Only credits directly applicable to a student’s Marquette degree program will be considered for transfer, and there is no guarantee that a transfer request will be approved. Credits to be considered for transfer must be graduate-level credits or upper-level undergraduate credits that are acceptable for graduate credit at the institution offering the course.

Credits that are accepted for a Marquette degree, if transferred from another university, will not be included when calculating the student’s GPA. However, credits taken at Marquette in another program or in the same program but in a different status (temporary or non-degree), if accepted for transfer into a degree program, will be included in the student’s GPA. Only courses in which a grade of B or above has been earned may be transferred for credit into a master’s program or used on a Doctoral Program Planning Form.

Credits approved for transfer from a school using a quarter-system will transfer as two-thirds credit each when converted to Marquette’s term system. Transfers from schools using a trimester system will vary by school and must be evaluated individually.

Students are strongly urged to consult their advisers before submitting a transfer request and before taking any course for which they intend to request transfer credit.

Courses should not be taken at another university during a student’s final term if those credits will be necessary to meet graduation requirements. If a course or courses are taken at another university during a student’s final term at Marquette, his/her graduation will be delayed until the following graduation cycle due to the time necessary to receive an official transcript and process the transfer credit.

**Master’s Programs**

Upon recommendation of the department and concurrence by the vice provost for research and dean of the Graduate School, 9-15 credit hours of the program’s requirement for course work (exclusive of thesis) may be accepted for transfer depending on the total number of credits needed for the degree. The following limits apply:

- 9 credits into a degree program requiring 36 or fewer course credits
- 12 credits into a degree program requiring 37-48 course credits
- 15 credits into a degree program requiring 49 or more course credits

Credits approved for transfer will normally have been earned within the six year period prior to admission to the Graduate School at Marquette. If the credits to be transferred are older than six years at the time of admission, the academic department to which the student is being admitted is expected to require evidence of proficiency with the material in the course(s) being considered for transfer. The six-year period that a master’s student has to complete his/her degree will begin with admission to the Graduate School at Marquette and is not affected by prior transfer credit. There is no Graduate School requirement that a student must have completed a certain number of credits at Marquette prior to requesting transfer, but individual departments may have such a requirement. Students should consult their department adviser, director of graduate studies, or department graduate student handbook.
Only credit for courses directly comparable in content to the requirements of the current degree program, or comparable to elective courses available at Marquette, will be considered for transfer. No credits will be officially transferred into a degree program until the student has completed and submitted the Master’s Degree Transfer of Credit Request form, found online at marquette.edu/grad/forms_index.shtml, and it has been approved by the Graduate School.

Graduate-level credits earned at Marquette, whether as a degree student in a different graduate program or as a non-degree or temporary student, may transfer following the same request and approval procedures outlined above. Students are responsible for initiating this process. Credits transferred between Marquette programs or statuses are included as part of the 9-15 credit transfer limit.

Master’s thesis credits taken at another institution are not transferable to Marquette. The six thesis credits required for a thesis-option master’s degree must be taken at Marquette.

Doctoral Programs

Graduate credits both from other institutions and from Marquette are accepted for a doctoral program when a Doctoral Program Planning Form is approved. Credits taken as part of an earned master’s degree at another institution or at Marquette will normally be accepted and applied to the Marquette doctoral program up to a maximum of 30 credits. These credits must be specified on the Doctoral Program Planning Form. There is not normally an age limit for accepting credits from an earned master’s degree.

Prior graduate-level credits taken, whether at another institution or at Marquette, that are not part of an earned master’s degree are considered on a case-by-case basis in consultation with the student’s adviser, the department, and the Graduate School. These credits must be specified on the Doctoral Program Planning Form. The number of credits that may be applied toward the doctorate are limited. Students should consult the Academic Programs Overview-Doctoral Degree Credit Requirements section of this bulletin. There is not normally an age limit for accepting credits from an earned master’s degree.

Prior graduate-level credits taken, whether at another institution or at Marquette, that are not part of an earned master’s degree are considered on a case-by-case basis in consultation with the student’s adviser, the department, and the Graduate School. These credits must be specified on the Doctoral Program Planning Form. The number of credits that may be applied toward the doctorate are limited. Students should consult the Academic Programs Overview-Doctoral Degree Credit Requirements section of this bulletin. Such credits will normally have been earned within six years of admission to the Marquette doctoral degree. In cases in which the age of the credits exceeds six years at the time of admission, the academic department shall require evidence of proficiency of the content contained in the courses to be accepted.

Doctoral dissertation credits taken at another university are not transferable to Marquette. All twelve dissertation credits required for completion of a doctoral (Ph.D.) degree must be taken at Marquette.

Undergraduate Students in Graduate Courses

An undergraduate student may, with the permission of his or her home college and the department offering the course, register for a 6000-level or higher graduate course if the student has a B (3.000) or above grade point average. To register for a graduate credit bearing course, the undergraduate student must complete the Permission to Enroll in a Graduate Course form, available online at marquette.edu/grad/forms_index.shtml. Once all signatures of approval have been obtained and the student has received the permission number from the department offering the course, a copy of the completed form must be forwarded to the Graduate School. The student must then register for the course online through CheckMarq.

An undergraduate student who enrolls in a 5000-level course with the intention of earning graduate credit that might, subsequently, be transferred to a graduate program, must complete the Permission to Enroll in a Graduate Course form following the above instructions. The Graduate Credits Requested for Undergraduate Course form, found online at marquette.edu/grad/forms_index.shtml, must also be submitted in order to receive graduate credit for a 5000-level course. On the form, the instructor of the course indicates the additional academic work that will elevate the course to graduate level. The course cannot be taken under the CR/NC option.

Withdrawals

See Enrollment Changes, above.

Working With Minors

Effective July 1, 2009, University Policy and Procedure 4-26 was established to provide a safe environment to those under the age of 18 years old participating in programs and activities at Marquette University. Unless an exception applies, programs that involve adults working with minors in university-sponsored programs and other programs held on campus must register with the Department of Risk Management. In addition, adults, before directly participating with minors in such programs and activities, must complete a criminal history background check; observe specific behavioral requirements; report all allegations of inappropriate conduct; and participate in mandatory training on protecting minors and on the behavioral and reporting requirements of the policy. The Department of Risk Management’s website on this topic, found at marquette.edu/riskunit/riskmanagement/working_with_minors.shtml, provides additional information and all required forms.
Academic Programs Overview

Master's Degree Overview

The master's degree is awarded in recognition of academic accomplishment as demonstrated by a program of course work, passing of the required examinations, and the preparation of a thesis, project, or essay.

Master's Program Planning Form

Master's degree students must complete the Master's Program Planning Form with their adviser, have it approved by their adviser and the director of graduate studies or chair, and submit it to the Graduate School before the end of their first term of study. The form is available online at marquette.edu/grad/documents/MastersProgramPlan.pdf. This form constitutes a formal agreement between the student and the university, and outlines what must be done to complete the master's degree. It may be changed by submitting a revised and approved Master's Program Planning Form.

Foreign Language Requirements

Some programs require reading comprehension in one or more foreign languages. This requirement is used as an important tool to advance the scholarly and research efforts of the student. To determine foreign language requirements for a specific doctoral program, consult the Programs section of this bulletin. If required, students must select one (or more) language(s) in which there is significant scholarly literature in their program field.

There are a number of ways by which a student can complete the language requirement(s), including: taking a foreign language proficiency examination administered by the Department of Foreign Languages and Literatures; taking a three-credit, semester-long foreign language reading knowledge course (course number xxxx-6204) offered by the Department of Foreign Languages and Literatures; proving to the student’s departmental faculty that he/she has the necessary foreign language proficiency as evidenced by prior language study; or by taking an exam prepared and graded by the student’s academic department. The 6204 reading knowledge courses may only be taken for credit and may not be audited.

If the student chooses to take a foreign language reading knowledge course, the tuition for the course will be charged at the normal Graduate School tuition rate in effect at the time the course is being taken, and the language credits will be in addition to regular course credits required for that academic program and degree. The grades earned in the foreign language reading knowledge course will be included in the student’s term and cumulative credits and grade point average.

Students also have the option of taking a two-hour exam to fulfill a graduate degree program's language requirement. The exam, graded SNC/UNC, assesses a student’s reading proficiency in a particular language through translation and comprehension questions about a foreign language passage. The student must register for the exam just like a regular course, and a $100 fee is assessed. If a student receives an unsatisfactory grade assessment, it is recommended that he/she complete the corresponding 6204 reading knowledge course. If the student decides to retake the exam outside of the course, the student would have to re-register for the exam and pay the $100 exam fee.

Whatever method is chosen, it shall be the responsibility of the student’s home department to determine what level of language proficiency is sufficient. It shall also be the department’s responsibility to notify the Graduate School of each student’s completion of foreign language requirements.

Specializations

A specialization (or sub-plan), normally consisting of twelve credits of course work in a specific field, may be required for some master’s programs. When a specialization is required, it must be selected from those currently active within approved Marquette University programs. The specialization must be outlined on the Master’s Program Planning Form, found at marquette.edu/grad/documents/MastersProgramPlan.pdf. For additional information, consult the Programs section of this bulletin.

Comprehensive Examinations

Candidates for a master’s degree in many departments must successfully pass a comprehensive examination on their total graduate program of studies. If a student fails a major section of the examination, the entire examination is considered to be a failure. This will cause the department to review the student’s record, and, if warranted, a second and final examination will be given.

Each department administers its own comprehensive exams. Students are encouraged to contact their program for specific information including deadlines and procedures. A department may require students to complete a specific course instead of passing a comprehensive exam. Generally speaking, this course may be taken only after the student has completed all of the other core course requirements.

Plan A and Plan B

The Graduate School offers the master’s degree under two plans: Plan A, which requires that the student write a thesis, and Plan B, which substitutes additional course work, a professional project or essay instead of the thesis. Some master’s programs allow students to choose either Plan A or Plan B. For plans offered in each program, consult the Programs section of this bulletin.
Students may submit a petition to the Graduate School requesting a change from Plan A to Plan B (or vice versa) providing they have permission from their program. A new Master’s Program Planning Form, available at marquette.edu/grad/forms_index.shtml, must be completed and submitted to the Graduate School.

If a student changes plans after completing some or all of the required thesis or project courses, these credits will not automatically apply toward the revised degree requirements.

**Plan A — Master’s Degree with Thesis**

**Minimum Credit Requirements**

A minimum of 30 credit hours is required, including six hours of thesis credits and a minimum of 18 credit hours of course work in the major field. Some departments may require additional semester hours; students should consult the Programs section of this bulletin for more information. At least one-half of the minimum total course program credits (twelve credit hours in most programs, exclusive of thesis credits) must be taken at the graduate level (6000 course number or above). In the major field, at least one-half (nine credit hours) of the minimum course program must be taken at the 6000 course level or above. The remaining courses may be selected from among those undergraduate courses that are eligible for graduate credit.

Upper-division 5000-level courses are approved for graduate credit. With the approval of their department and the Graduate School, students may take a limited number of 5000-level courses and count them toward their graduate degree requirements. When a 5000-level course is taken, the student must complete a Graduate Credits Requested for Undergraduate Course form, available at marquette.edu/grad/forms_index.shtml, to detail the additional work that will justify the granting of graduate credit.

Any exceptions to the total credits and minimum grade point average requirements for any degree and/or certificate must be approved by the provost.

**Thesis Credits**

Students must take six hours of thesis credit. Students who enroll in and pay for thesis credits will not be entitled to a refund of tuition for these credits if they should subsequently drop out, withdraw from their program, or transfer to a Plan B option.

**Thesis Outline Form**

Students must submit an outline for the proposed thesis or professional project. (No outline is required by the Graduate School for writing a master’s essay, although some departments may choose to require the form.) The outline will list the committee members which, for a master’s thesis, must contain a minimum of three voting members. Master’s thesis outline forms are available online at marquette.edu/grad/forms_index.shtml.

**Master’s Thesis**

Although there is no Graduate School requirement that the student hold a formal, public defense, it is expected that some type of defense of one’s thesis be held. The format of this defense will be required by the department. Whatever format is used, the results of the defense must be reported on the Master’s Thesis/Essay/Professional Project/Publication Approval Form, available at marquette.edu/grad/forms_index.shtml. The defense will be considered successful, and the student passed, if a majority of the voting members of the thesis committee vote to approve the defense and the department chair signs to accept any nonunanimous vote.

In a master’s thesis, students demonstrate familiarity with the tools of research and scholarship in their major field, show thorough knowledge of the subject covered, and reflect independence of thought, critical insight and originality. The thesis must also be acceptable in style and composition. Students are required to follow the instructions on the Thesis Directives and thesis submission checklist, available online at marquette.edu/grad/forms_index.shtml. A thesis that does not conform to the directives, including format specifications, will not be accepted by the Graduate School.

An electronic copy of the completed master’s thesis must be submitted online, on or before the deadline listed in the Academic Calendar. Although the student retains ownership and copyright privileges, a copy of the approved thesis will be considered a public document by Marquette University. The thesis may be placed in the Marquette University library, used by students and faculty, or otherwise released to the public unless restricted by the author. See the electronic theses and dissertations website at marquette.edu/grad/etd.shtml for details.

**Recording Thesis Defenses**

In order to facilitate an open and honest dialogue, thesis defenses are not normally recorded. However, it is the policy of the Marquette University Graduate School to allow, with prior permission, the audio and/or video recording of a student’s thesis defense.

Common courtesy requires that the thesis committee chair and all committee members must be made aware, in advance of the defense, of the student’s desire to record the proceedings. Additionally, the chair and all committee members must assent to such a recording. Such written approval must include the signatures of the chair and all committee members, and the signed approval must be submitted to the assistant director for student records in the Graduate School prior to the recording being made.

If a thesis defense is recorded, all questions, statements, or other comments, whether verbal or written, remain the property of the person who spoke or wrote them, and any future use of the recording is subject to applicable copyright laws.
Plan B — Master’s Degree Without Thesis

Minimum Credit Requirements

A minimum of 30 credit hours is required and a minimum of 18 credit hours of the course work must be taken in the major field. Some departments require more semester hours; students should consult the Programs section of this bulletin. At least one-half of the minimum total course program (fifteen credit hours in most programs, exclusive of professional project credits) must be taken at the graduate level (6000 course number or above). The remaining courses may be selected from among those undergraduate courses that are eligible for graduate credit. Consult individual program listings and department advisers to determine the specific requirements for Plan B programs.

Upper-division 5000-level courses are approved for graduate credit. With the approval of their department and the Graduate School, students may take a limited number of 5000-level courses and count them toward their degree requirements. When a 5000-level course is taken, the student must complete a Graduate Credits Requested for Undergraduate Course form, available at marquette.edu/grad/forms_index.shtml, to detail the additional work that will justify the granting of graduate credit.

Any exceptions to the total credits and minimum grade point average requirements for any degree and/or certificate must be approved by the provost.

Professional Project Credits

Academic units may require students to register for project credits or similar course work. Students who enroll in and pay for project credits will not be entitled to a refund of tuition of these credits if they should subsequently drop out of or be withdrawn from their programs.

Professional Project

In a project, students demonstrate familiarity with the tools of research and scholarship in the major field, show thorough knowledge of the subject covered, and reflect independence of thought, critical insight and originality. The project must be acceptable to the department in style and composition. Formatting of professional projects is at the discretion of the department. Thesis Directives, found at marquette.edu/grad/forms_index.shtml, may be used as a guide.

An original copy and a Master’s Thesis/Essay/Professional Project/Publication Approval Form with appropriate signatures must be submitted to the Graduate School office on or before the deadline listed in the Academic Calendar.

Essay

In many graduate programs, a master’s essay may be required even though no formal credit is given for it and no outline is required by the Graduate School. Students should confer with their advisers about topics and guidelines for producing an acceptable paper, including requirements for length and references. An original copy of the essay and a Master’s Thesis/Essay/Professional Project/Publication Approval Form with appropriate signatures must be submitted to the Graduate School office on or before the date listed in the Academic Calendar. Essays must be acceptable to the department in style and composition. Formatting of essays is at the discretion of the department. Thesis Directives, found at marquette.edu/grad/forms_index.shtml, may be used as a guide.

Doctoral Degree Overview

The doctor of philosophy (Ph.D.) degree is awarded in recognition of high attainment and ability in a special subject field. Candidates are required to pass examinations that cover general and specific knowledge in their area of expertise, and prepare and successfully defend a dissertation based on independent, original and high-quality research that makes a significant contribution of knowledge to the field.

Interdisciplinary Ph.D. Program

Faculty from both doctoral and non-doctoral departments may propose interdisciplinary Ph.D. programs for individual students to the University Board of Graduate Studies. This provides students and faculty with opportunities for creative academic programming and research opportunities that cross traditional disciplinary boundaries. Since there is no departmental structure to support these programs, certain understandings, commitments, and restrictions, beyond those required in regular doctoral programs, are necessary. Additional information appears in the Programs section of this bulletin. Direct specific questions to the Graduate School.

Application Procedures

Applicants must follow the instructions in the Admission and Readmission section of this bulletin. It is the applicant’s responsibility to obtain information about any additional requirements from the Programs section of this bulletin, from the Graduate School or department websites, or from the director of graduate studies in the proposed program. Students with master’s degrees from Marquette are required to submit a new application to the Graduate School if they wish to be considered for doctoral admission.

Doctoral Program Planning Form

Students must prepare a program of study, with their advisers, that lists the steps and classes needed to complete their doctoral degree. The Doctoral Program Planning Form, available online at marquette.edu/grad/forms_index.shtml, is used for this purpose. The approved Doctoral Program Planning Form constitutes a formal agreement between the student and Marquette University and, once established, may be changed only by formal amendment using the Doctoral Program Planning Form Amendment, available online at marquette.edu/grad/forms_index.shtml. The Doctoral Program Planning Form should be submitted to the Graduate School no later than the end of the
student’s first year. Course work, foreign language and residency requirements are accepted as part of a student’s doctoral program only after approval of the Doctoral Program Planning Form.

Credit Requirements

Depending on previous preparation and the nature of the research undertaken, the number of credits required for individual students, even within the same program, may vary considerably. Minimum credit requirements have, however, been established by the university and the Graduate School.

Upper-division 5000-level courses are approved for graduate credit. With the approval of their department and the Graduate School, students may take a limited number of 5000-level courses and count them toward their degree requirements. When a 5000-level course is taken, the student must complete a Graduate Credits Requested for Undergraduate Course form, available at marquette.edu/grad/forms_index.shtml, to detail the additional work that will justify the granting of graduate credit.

The doctoral degree is the highest degree conferred by Marquette University. There are significant differences in degree requirements between the physical/natural sciences and other fields, and these are addressed below. However, in all cases, students must complete 12 dissertation credits and must satisfy the university’s residency requirements. The credit requirements listed below are the minimum established by the Graduate School. Individual departments may set their own requirements that meet or exceed these minimums.

Biological Sciences and Chemistry

A minimum of 24 credits of course work beyond the bachelor’s degree is required, plus 12 dissertation credits. In cases in which the student enters the program with a master’s degree in the same or closely related field, the student may request the department and the Graduate School to allow the master’s degree to satisfy up to 25% of the 24 required credits. In all cases, a minimum of 18 credits of course work exclusive of the dissertation must be taken at Marquette while in the doctoral program.

Any exceptions to the total credits and minimum grade point average requirements for any degree and/or certificate must be approved by the provost.

All Other Programs

A minimum of 45 credits of course work beyond the bachelor’s degree is required, plus 12 dissertation credits. In cases in which the student enters the program with a master’s degree in the same or closely-related field, the student may request the department and the Graduate School to allow the master’s degree to satisfy up to 50% of the required credits. In all cases, a minimum of 21 credits of course work exclusive of the dissertation must be taken at Marquette while in a Ph.D. or D.N.P. program.

Any exceptions to the total credits and minimum grade point average requirements for any degree and/or certificate must be approved by the provost.

Foreign Language Requirements

Some programs require reading comprehension in one or more foreign languages. This requirement is used as an important tool to advance the scholarly and research efforts of the student. To determine foreign language requirements for a specific doctoral program, consult the Programs section of this bulletin. If required, students must select one (or more) language(s) in which there is significant scholarly literature in their program field.

There are a number of ways by which a student can complete the language requirement(s), including: taking a foreign language proficiency examination administered by the Department of Foreign Languages and Literatures; taking a three-credit, semester-long foreign language reading knowledge course (course number xxxx-6204) offered by the Department of Foreign Languages and Literatures; proving to the student’s departmental faculty that he/she has the necessary foreign language proficiency as evidenced by prior language study; or by taking an exam prepared and graded by the student’s academic department. The 6204 reading knowledge courses may only be taken for credit and may not be audited.

If the student chooses to take a foreign language reading knowledge course, the tuition for the course will be charged at the normal Graduate School tuition rate in effect at the time the course is being taken, and the language credits will be in addition to regular course credits required for that academic program and degree. The grades earned in the foreign language reading knowledge course will be included in the student’s term and cumulative credits and grade point average.

Students also have the option of taking a two-hour exam to fulfill a graduate degree program’s language requirement. The exam, graded SNC/UNC, assesses a student’s reading proficiency in a particular language through translation and comprehension questions about a foreign language passage. The student must register for the exam just like a regular course, and a $100 fee is assessed. If a student receives an unsatisfactory grade assessment, it is recommended that he/she complete the corresponding 6204 reading knowledge course. If the student decides to retake the exam outside of the course, the student would have to re-register for the exam and pay the $100 exam fee.

Whatever method is chosen, it shall be the responsibility of the student’s home department to determine what level of language proficiency is sufficient. It shall also be the department’s responsibility to notify the Graduate School of each student’s completion of foreign language requirements.
Specializations
A specialization (or sub-plan), normally consisting of twelve credits of course work in a specific field, may be required for some doctoral programs. When a specialization is required, it must be selected from those currently active within approved Marquette University programs. The specialization must be outlined on the Doctoral Program Planning Form. For additional information, consult the Programs section of this bulletin.

Residency Requirement
The residency requirement is designed to immerse doctoral students in the campus community of scholars. It must be satisfied in the department in which the student is seeking a doctoral degree. The residency requirement is met when a student completes nine credits of course work, or its equivalent per term, for two terms within an 18-month period, or alternatively, completes at least 6 credits of course work, or its equivalent per term, for three terms within an 18-month period. Plans for the residency must be included on the Doctoral Program Planning Form. The credit load necessary to meet the six- or nine-credit requirement may be met by course work alone or course work in conjunction with dissertation credits.

Doctoral Qualifying Examination
The DQE is an exploration of the student’s understanding in the program field and may be written, oral, or both. It may also include an explanation of the proposed dissertation. Some departments require students to pass cumulative examinations. Required elements for the DQE are defined by the student’s program department. The DQE is typically scheduled after all course work, language and residency requirements have been completed. Taking the DQE before all requirements have been satisfied requires written permission from the student’s department.

The exam is conducted by a committee made up of at least three faculty members from the student’s program. If the committee includes a non-Marquette member, the department must note this exception in writing and submit a request and a curriculum vitae for that person to the Graduate School.

Students who fail the examination may, with the consent of the academic department, be eligible to take a second examination after fulfilling all conditions stipulated by the doctoral examining committee. If the second examination is unsatisfactory, no further examination is permitted.

Official Doctoral Candidacy
Students advance to doctoral candidacy upon recommendation of their department, having completed all course work, language, and residency requirements, and passing the DQE. The departments shall notify the Graduate School in writing, using the Advancement to Doctoral Candidacy form found online at marquette.edu/grad/forms_index.shtml, for all students recommended for candidacy.

Dissertation Process
Assembling a Dissertation Committee
Candidates select their dissertation committee with the assistance of their adviser. The committee must be comprised of a minimum of three voting members. The names of the members, including the chairperson, must be on the Outline for Dissertation, Thesis, Professional Project or Essay form, available online at marquette.edu/grad/forms_index.shtml. If the committee includes a non-Marquette member, the department must submit a recent curriculum vitae for that member to the Graduate School with their Outline for Dissertation, Thesis, Professional Project or Essay form. The vice provost for research and dean of the Graduate School appoints the dissertation committee by approving the outline form.

Doctoral Dissertation Outline Form
Students must submit an outline for the proposed dissertation on the Outline for Dissertation, Thesis, Professional Project or Essay form, typically within the first term that dissertation credits are taken, but no later than the deadline listed in this bulletin. Outlines must be approved by the student’s adviser, the department chairperson, and the Graduate School. If the proposed research involves a real or apparent conflict of interest on the part of the student, the dissertation director, or the committee members, it must be declared at the time the outline is submitted.

Dissertation Credits
Students must register for 12 hours of dissertation credits and may enroll for these while working on their doctoral dissertation outline or dissertation. Each department determines the number of credit hours that a candidate may take during any one term. Students who enroll in, and pay for, dissertation credits before actually beginning work on their project will not be entitled to a refund of tuition of these credits even if they should subsequently drop out of or are withdrawn from their program.

Dissertation Directives
Directions for writing the dissertation and the dissertation submission checklist are available online at marquette.edu/grad/forms_index.shtml. Students are strongly encouraged to consult both and to check with their departments for additional guidelines, if any,
Writing the Dissertation

A dissertation demonstrates a student’s familiarity with the tools of research and scholarship in the field, shows thorough knowledge of the subject covered, and reflects independence of thought, critical insight and originality. The dissertation must exhibit the student’s mastery of the literature of the subject and familiarity with the sources, and be presented with a satisfactory degree of literary skill. Students are required to follow the instructions in the Dissertation Directives. Dissertations not conforming to the directives, including format specifications, are not accepted by the Graduate School.

An electronic copy of the completed dissertation must be submitted online, and the completed Dissertation Approval Form must be turned into the Graduate School office by the date listed in the Academic Calendar inside the back cover of this bulletin. Students must consult the dissertation submission checklist prior to submitting the dissertation and must consult the Dissertation Directives for a complete list of forms and other requirements that must be turned in to the Graduate School at the time of submission of the dissertation. Although the student retains ownership and copyright privileges, a copy of the approved dissertation will be considered the property of Marquette University. Bound or microfilm copies may be made available to the public at the Marquette University library unless restricted by the author. See the electronic theses and dissertations website at marquette.edu/grad/etd.shtml for details.

Public Defense of the Dissertation

A public defense of the dissertation is conducted after the candidate has completed all other formal requirements for the doctoral degree. Although the examination is primarily a defense of the dissertation, it will include material relevant to the general field in which the dissertation is written, with particular attention to the more recent and significant developments.

The candidate and adviser select a date, during weekday working hours and avoiding public or religious holidays, for the public defense of the dissertation. If the student wants to graduate the same term the defense is made, the defense must be held before the deadline listed in the Academic Calendar. At least two weeks prior to the scheduled date for the dissertation defense, the student must submit a signed Announcement for Public Defense of the Dissertation form, available online at marquette.edu/grad/forms_index.shtml. The form must be accompanied by an electronic version of the abstract in MS Word, e-mailed to grad.records@marquette.edu. All committee members must sign this form indicating their agreement to the date of the public defense.

The defense will be considered successful, and the candidate will be passed, if a majority of the voting members of the dissertation committee vote to approve the defense and if the department chair signs to accept any nonunanimous vote.

Recording Dissertation Defenses

In order to facilitate an open and honest dialogue, dissertation defenses are not normally recorded. However, it is the policy of the Marquette University Graduate School to allow, with prior permission, the audio and/or video recording of a student’s dissertation defense. Common courtesy requires that the dissertation committee chair and all committee members must be made aware, in advance of the defense, of the student’s desire to record the proceedings. Additionally, the chair and all committee members must assent to such a recording. Such written approval must include the signatures of the chair and all committee members, and the signed approval must be submitted to the assistant director for student records in the Graduate School prior to the recording being made.

If a dissertation defense is recorded, all questions, statements, or other comments, whether verbal or written, remain the property of the person who spoke or wrote them, and any future use of the recording is subject to applicable copyright laws.
Special Academic Programs

Accelerated Degree Program

The Accelerated Degree Program is designed to provide a more efficient means to obtain a master’s degree. It is based on attaining the necessary competencies rather than just a specified number of credits. The program is for students who have a high academic potential and want to start taking courses that will count both toward their undergraduate and graduate degrees. It benefits the university by capturing our best students for master’s study. Each department has a limited number of openings for this program and will accept the highest performing students.

The ADP allows a student to begin accumulating credits toward completion of a master’s degree while still enrolled as an undergraduate. Undergraduates participating in this program are granted early admission to the Graduate School and are allowed to take specified graduate-level courses during their junior year or senior year.

Academic units can choose to impose stricter guidelines than those that appear below.

With the approval of the applicable academic unit, up to 12 graduate credits taken during their undergraduate career may be applied toward completion of their graduate degrees as long as the following criteria are met:

1. The courses must be appropriate to attain the necessary competencies for the graduate degree.
2. The student must earn a grade of B or above in each course.
3. The courses are 5000-level courses or above. Pure graduate-level courses are 6000 and above courses. 5000-level courses are upper division courses that carry graduate credit. ADP students can take 5000-level courses, but they must complete the Graduate Credits Requested for Undergraduate Course form, found at marquette.edu/grad/forms_index.shtml, that specifies the additional work that they are going to do to justify the awarding of graduate credit for an undergraduate course.

These graduate-level courses may also count toward their baccalaureate degree. The grades earned in courses applied toward both the baccalaureate and graduate programs will be computed into the grade point averages of both programs. None of the graduate courses taken in this program may be applied to the undergraduate core of common studies.

Academic units interested in participating in the ADP must provide a proposal to the UBUS and the UBGS that indicates how the necessary competencies will be incorporated into this accelerated program. Specific courses that will comprise the ADP course selection must be identified rather than permitting students to select any courses that they desire.

Admission Procedure

Participation in the ADP by any academic unit is optional. Each academic unit will develop admission criteria based on the following guidelines:

1. Minimal criteria for admission will be established by each participating program.
2. Each academic unit will establish the point in an undergraduate career when a student may apply for admission to the ADP, but in no case may it be earlier than the completion of the sophomore year.
3. The student must apply for admission to the ADP through the Graduate School. This admission, if approved, will include admission to the graduate degree granting academic unit. After admission into the ADP, the student will be identified as having ADP status through a student group within the records management system.
4. International students who are admitted into the ADP will work with the Graduate School and the Office of International Education in order to apply for a visa extension.

Academic Advising and Records

Academic units that want to participate in the ADP will develop a clear admissions and advising process for the ADP. The academic unit will send the student a letter listing the graduate courses (5000-level and above) from which they may compose their graduate program of study. A copy of this letter will be placed in the student’s graduate record and will be provided to the student’s undergraduate college.

Program Requirements

Programs that offer an ADP may approve a maximum of 12 credit hours, which can be applied toward the undergraduate degree during the junior and senior year. Following admission to the master’s program, those courses may be transferred into a master’s program. While an undergraduate, the student must enroll for graduate credit but will pay the appropriate undergraduate tuition for the specified graduate courses.

Only courses in which a B or above have been earned will be transferred into the graduate program of study. Students who complete the undergraduate degree may claim their status as graduate students (with the appropriate graduate credit) in the next term or session after receiving the bachelor’s degree. Students who have completed the Accelerated Degree Program will have it noted on their transcript.

Admission to the ADP is a promise of formal admission to the Graduate School and the academic unit after completion of the bachelor’s degree. However, the ADP student will still be officially considered an undergraduate student until the baccalaureate degree is officially
awarded. At that time, the student must notify the Graduate School that the baccalaureate degree has been received, and the student will be formally admitted into the Graduate School. The student must then transfer the graduate credits from their undergraduate career into their graduate career by completing a Master’s Degree Transfer of Credit Request form, found online at marquette.edu/grad/forms_index.shtml.

**Dual Counting of Undergraduate and Graduate Credits**

Graduate courses taken during an undergraduate program of study will only be accepted for both undergraduate credit and for transfer into a graduate degree program if students have participated in an approved Accelerated Degree Program. Graduate courses taken outside of an ADP as an undergraduate student, however, may still be considered for transfer into a graduate program if they have not also been counted toward the undergraduate degree.

**English as a Second Language Program (ESLP)**

The Office of International Education (OIE) provides advanced English language courses for students of other language backgrounds whose academic success at Marquette requires additional formal instruction in spoken or written English. Departments that wish to have the English competency of their graduate students evaluated should contact OIE for information about the English Placement Test. The results of this test are used to recommend any appropriate English language (ESLP) courses. ESLP courses are offered in the fall and spring terms. Descriptions for the courses in Composition, Reading, and Listening Comprehension are described in the Undergraduate Bulletin. Additionally, all incoming international teaching assistants (TAs) are required to attend a special one-week International Teaching Assistant Program (ITAP) prior to the start of the fall semester. This training program includes evaluations of each TA’s English language and classroom skills for possible placement into ESLP 6021 American Language and Communication Skills for Teaching Assistants.

Marquette University currently does not offer a graduate degree program in English as a Second Language. For information on degrees or certificates in education, see the sections of this Graduate Bulletin relevant to the intended major academic field of study.

**Inter-University Visitation**

Marquette University participates in two programs, detailed below, by which its students may take courses at another university or college in order to expand the breadth of their education.

Students should not take an off-campus course during their final term. In order to satisfy all graduation requirements, an official transcript reflecting all final grades is required. Taking a course through the Inter-University Visitation Program at UW-Milwaukee, the Medical College of Wisconsin, or via the Midwest Catholic Graduate Schools Consortium will delay a student’s graduation until the following graduation cycle.

**Marquette–UWM and Marquette–Medical College of Wisconsin**

Marquette University has agreements with both the University of Wisconsin–Milwaukee and with the Medical College of Wisconsin. The course being taken at the host institution must not be available at Marquette. In no case will more than six credits taken at UWM or MCW be counted toward degree completion at Marquette, unless the courses are taken as part of a joint program. The students must apply for admission to the host institution as a special student; the application fee is waived. A Marquette student must complete the appropriate registration form, found online at marquette.edu/grad/forms_index.shtml, then get their adviser’s approval, and finally submit the completed form to the Graduate School. This will register the student for the course GRAD 6933 (UWM course) or GRAD 6945 (MCW course), both of which are variable title and variable credit courses that reflect the title and number of credits of the course at the host institution. The student must also register for the course at the host institution. Tuition is paid at the home institution for the GRAD 6933 or GRAD 6945 course. The course at the host institution is tuition-free. Only degree-seeking graduate students in good standing are eligible to participate. This program is not intended for students in joint programs such as bioinformatics, biomedical engineering, and healthcare technologies management, where the courses between Marquette and MCW are cross-listed. Interested students should contact the Graduate School office for additional information and enrollment forms.

**Midwest Catholic Graduate Schools Consortium**

The consortium of Midwest Catholic Graduate Schools (MCGS) includes Loyola University, Chicago, Ill.; Marquette University, Milwaukee, Wis.; University of Notre Dame, South Bend, Ind.; and St. Louis University, St. Louis, Mo. MCGS has established the protocol whereby a degree-seeking student at one university may take course work at any of the other three universities to apply toward degree requirements at the home institution.

With prior approvals, the student enrolls at the home institution and makes financial arrangements there, but attends classes, on a short-term basis, as a visiting student at the host university. Final grades are forwarded from the host to the home university for listing on the student’s permanent record. The following restrictions apply: 1) Participation is restricted to those fields of study which are under the academic jurisdiction of the graduate deans at both the home and the host institutions; 2) Non-degree or temporary students may not participate; 3) The degree-seeking student must have completed at least the equivalent of one full term at the home university before visiting one of the other institutions; 4) A student may gain approval for more than one visitation at more than one host institution, but no more than six credit hours of courses from host institutions can become part of a degree program at the home institution.

To participate, a student must complete, for each course to be taken at a host institution, an Inter-University Visitation Enrollment Form and the applicable registration form, found online at marquette.edu/grad/forms_index.shtml, both of which require signatures of approval. Because of the paperwork involved and the number of approvals that must be obtained, the student must begin the inter-university visitation
application process no later than June 1 for a fall term visitation, October 1 for the spring term, or March 1 for the summer term. Interested students should contact the Graduate School office for additional information and enrollment forms.

Preparing Future Faculty Program

The Marquette University Preparing Future Faculty (PFF) Program, in collaboration with the Marquette University Center for Teaching and Learning, helps prepare interested graduate students for a career in academia. Students with other career interests are welcome to engage in PFF activities, and may find the programs on developing a résumé, building presentation skills, and preparing for job interviews particularly helpful.

The PFF Program requires graduate students to meet requirements in the following areas:

1. Theory and research on effective teaching and learning in higher education
2. Introduction to specific teaching skills
3. Obtaining feedback on teaching
4. Assessing student learning
5. Teaching with technology – e-learning applications
6. Applying and interviewing for faculty positions
7. Obtaining external funding.

In order to meet these requirements, graduate students have the option of either taking graduate classes offered by the College of Education or attending colloquia, workshops, and conferences sponsored by PFF. These PFF events satisfy many of the requirements or address pedagogic and professional issues to enhance the professional development of graduate students. Topics covered range from technology in the classroom to grant writing, and from the job search process to diversity in the classroom.

Participants of the PFF Program create a professional portfolio detailing their achievements and abilities and providing future employers with a wealth of relevant information. The portfolio may include documents on: a) teaching (mentoring and development); b) publications; c) conference work/participation; d) professional development; e) institutional awareness; and f) university and community service.

Successful completion of the requirements for the PFF Program is recognized with a notation on the graduate student's official university transcript and is verified by a document issued by the PFF Program and the Graduate School. For more information visit the website at www.marquette.edu/pff/

Multicultural Awareness and Professional Integration Program (MAPIP)

The goal of this program is to assist doctoral psychology graduate students in gaining additional knowledge of multicultural issues. This includes increased awareness of the multicultural psychology research, increased understanding of diverse groups and cultures, and self-reflection of how diversity awareness can be integrated into their professional careers. For more information about this program please visit the Department of Psychology website at marquette.edu/psyc/about_diversity_mapip.shtml.
Student Resources and Facilities

Student Resources

Disability Services

Marquette University strives to integrate qualified students with disabilities as fully as possible into all aspects of university life. The Office of Disability Services, located within Student Educational Services, has been designated to coordinate this process in accordance with the university’s compliance responsibilities under the law. Accommodations determinations for all students with identified and documented disabilities will be made on a case-by-case basis. Examples of possible accommodations or services provided to students with disabilities include: alternative texts, interpreting, lecture notes, testing arrangements informal counseling, advocacy training, etc.

More detailed information about accessibility for all students at Marquette can be found on at http://www.marquette.edu/disability-services. The Office of Disability Services is located in Marquette Hall, 05; P.O. Box 1881; Milwaukee, WI, 53201-1881; Phone (414)288-1645; Fax (414) 288-5799.

email Policy

Marquette University utilizes e-mail as one of the official means of communication with students to keep them informed of important information such as financial aid and billing data; college deadlines, events and updates; and important campus news. Each student is issued an official eMarq e-mail account for use while he or she is enrolled.

Email is an appropriate and preferred method for official communication by Marquette with students unless otherwise prohibited by law. The university has the right to send official communication to students by e-mail with the assumption that students will receive, read and, if necessary, act in a timely manner based upon these e-mails. For more information, visit marquette.edu/its/about/official.shtml.

Financial Aid Information Guide

The publication Award Information Guide provides an overview of the available financial aid, how to accept financial aid, debt management, students rights and responsibilities, and federal loan programs. Information is available online at marquette.edu/mucentral/financialaid/index.shtml. Information about different types of financial aid available to graduate students may be found in this bulletin under Financial Aid.

Graduate Student Organization

The Graduate Student Organization (GSO) serves as a channel for graduate students to voice concerns, resolve difficulties, and provide feedback on issues that directly affect graduate student life at Marquette University.

The GSO will accomplish this goal by:

• Actively representing graduate students to the university
• Advocating changes deemed necessary by graduate students
• Fostering inter-departmental cooperation and exchange
• Encouraging unity among the graduate students as a whole
• Improving the academic environment for graduate students through sponsored events
• Providing social events for graduate students
• Working with University Ministry to provide spiritual support for graduate students who seek it

All part-time and full-time graduate or professional students enrolled at Marquette University are automatic GSO members, and membership is free.

For a listing of events and meeting notices, past meeting minutes, the GSO Constitution, and the Graduate Student Rights and Responsibilities visit the GSO website at marquette.edu/grad/GSO/index.shtml.

Marquette Central

This office is the primary source for student enrollment and financial services information and assistance. Once a student is admitted to the university, this office is available to help students through Marquette processes and serves as a resource for questions about registration, student financial aid and student accounts. For more information, visit marquette.edu/mucentral/.

Public Safety

As the Marquette community is located in downtown Milwaukee, students need to be aware of the realities of city living. Recognizing this, the university strives to educate students about personal safety and crime prevention through a wide variety of safety programs and services.

Marquette maintains its own Department of Public Safety as a security and safety service to the university community. The department is located on the first floor of the 16th Street Parking Structure, 749 N. 16th St. (between Wisconsin Avenue and Wells Street). This location houses Public Safety Administration, Officer Operations, Communications Center, Preventive Services, and Student Safety Programs.
Public Safety operates 24 hours a day, every day. Services can be obtained by calling (414) 288-6800. In cases of emergency, students and employees should contact Public Safety’s emergency line by dialing (414) 288-1911 from any campus extension or (414) 288-1911 from any off-campus phone.

Public Safety officers monitor on- and off-campus areas utilizing squad, foot and bicycle patrols. Public Safety officers are trained to respond to all calls for assistance, including crimes in progress and medical emergencies. University Service officers are responsible for monitoring campus buildings and property. The officers conduct walking patrols, provide authorized after-hours access to buildings, assist public safety officers and are available to provide information and assistance to students, staff and visitors. Security within the university’s residence facilities is provided by Safety Services officers, who are on duty from 11:30 p.m. to 7:30 a.m., daily.

The department maintains an outdoor telephone system, including more than 200 Blue Light Phones. Blue Light Phones are located on campus pedestrian walkways, mall areas and within or near all of the university’s parking lots. Blue Light Phones are located at Valley Fields as well as in the near off-campus residential area. Blue Light Phones provide a direct link to Public Safety’s Communication Center. Upon activation of a Blue Light Phone, the caller’s location is immediately known to the communications officer, who will provide the appropriate assistance.

A wide variety of crime prevention and safety awareness programs are made available to groups that are interested in promoting safety. Popular topics include self defense, personal safety, sexual assault prevention and alcohol awareness. Numerous brochures, the Awareness newsletter and crime statistics are readily available to provide information.

Any member of the Marquette community who becomes involved in a crisis situation can receive the benefits of the Victim/Witness Services program. The program provides resources for those in need of counseling or support services in addition to providing escorts to and from all necessary court-related appearances.


**Schedule of Classes (Snapshot)**

Snapshot is an online schedule of classes students access to determine what courses to take each term. In addition, Snapshot will provide a list of those classes that meet certain degree requirements or are of special interest, such as online courses. Click here marquette.edu/mucentral/registrar/snapshot/.

**Student Information System (CheckMarq)**

Marquette students obtain up-to-the moment information, monitor their academic record, view courses, register and update their address/phone numbers online by using the CheckMarq system via the Internet. Students can access CheckMarq from any computer with Internet access. Click here for checkmarq.mu.edu (http://checkmarq.mu.edu). CheckMarq requires both a user name and password. Information Technology Services assigns user names and passwords to all new students for the duration of their studies at Marquette.

**Transcript of Academic Records**

A transcript is a complete and unabridged copy of all academic work attempted at Marquette University. Course and grade information contained on the transcript are released pursuant to the Family Educational Rights and Privacy Act of 1974 (as amended).

A student may obtain a transcript of his or her Marquette record by completing a Transcript Request Form available at marquette.edu/mucentral/registrar/snapshot/ and submitting it to the Office of the Registrar. Current students may request a transcript online via their CheckMarq account. All transcript requests should be submitted one week in advance of the date the transcript is needed.

The fee for this regular service is $7 per transcript. The fee for a rush or immediate transcript service is $10 per transcript. All transcript fees are payable at the time of the request.

Every transcript that is issued directly to a student is clearly marked. Because most institutions will not accept a transcript that has been in the student’s possession, we strongly recommend the student request the Office of the Registrar to mail a transcript directly to the institution involved. Students who fail to follow this recommendation are liable for any further charges when additional transcripts are ordered.

**Veterans Benefits**

The Office of the Registrar acts as liaison between the student and the Veterans Administration, the Wisconsin Department of Military Affairs and the Wisconsin Department of Veterans Affairs. Any student eligible to receive educational benefits under one of the various Veterans Administration programs must report to Marquette Central at the beginning of each fall, spring or summer term for which he or she is registered. Information or consultation is available at any time during regular office hours. Information regarding veterans’ benefits may also be found at marquette.edu/mucentral/.

Marquette participates in the Yellow Ribbon GI Education Enhancement Program; which is a provision of the Post-9/11 GI Bill. This program allows institutions of higher learning in the United States to voluntarily enter into an agreement with the VA to fund tuition expenses that exceed the highest in-state public undergraduate rate. The number of student sponsored for Yellow Ribbon Program benefits is limited. For additional information visit the Veterans Benefits site on the Marquette Central website.
VA regulations require schools to enforce certain standards of progress in regard to certifying veterans for educational benefits; therefore any veteran who wishes to receive veterans’ educational benefits must meet the published academic standards and requirements of the university.

Facilities

Haggerty Museum of Art

Opened in 1984, the Haggerty Museum of Art serves as a laboratory for learning focused on the visual arts by collecting, exhibiting and interpreting works of art in the context of Marquette University and Milwaukee. The museum’s exhibitions and educational programs are designed to contribute to transformational lifelong learning and enjoyment of the arts.

The Haggerty features approximately eight to nine exhibitions each year. Representing the diversity of work in the permanent collection of over 4,500 objects, the museum has offered exhibitions celebrating the contributions of the Italian Renaissance “Petite Masters”, American self-taught artists, works addressing social change issues, modern American printmaking and photography, and contemporary art by regional, national and international artists.

The Haggerty seeks to enhance the undergraduate educational experience by engaging students in various disciplines to think about the world and their subject matter through the lenses of the visual arts. The museum also works collaboratively with elementary and middle school teachers, local artists, and College of Education faculty and students to design programs that engage children and youth in educational activities. Additional educational opportunities for the campus and community include free tours, lectures, workshops and performances. For more information, visit the Haggerty Museum of Art website.

Hartman Literacy and Learning Center

The Hartman Literacy and Learning Center is a facility within the College of Education which supports undergraduate and graduate literacy-related programs. The center library houses a children’s literature collection, which is used by College of Education students as well as children and families participating in the Marquette University Family Literacy Project, a collaboration between the university and neighborhood elementary schools. Students enrolled in EDUC 4964 Practicum: Teaching Elementary Level Reading participate in the Family Literacy Project by tutoring small groups of children in reading and writing after school. The Hartman Literacy and Learning Center provides faculty and staff to support and conduct research regarding the project. For more information, visit the Hartman Center website.

Instructional Media Center

The Kenneth Shuler Instructional Media Center (IMC) provides a wide range of multimedia creation and presentation services for the Marquette University community. The IMC’s primary obligation is to support and enhance Marquette’s classroom instruction through technology. The IMC is also responsible for audio-visual equipment distribution and technical support in presentation classrooms throughout the campus. In addition, the IMC produces media that augment the university’s public communication goals. These efforts include the creation of photography, audio, videos, and multimedia for informational, development and student recruiting purposes.

The facilities of the IMC are state-of-the-art and an important component of the J. William and Mary Diederich College of Communication’ broadcasting curriculum. Our facilities include two digital television studios, eight video editing suites, three audio studios, and computer graphics platforms. These advanced facilities are used as classrooms and laboratories by students pursuing a degree in Broadcast and Electronic Communication. Students also have access to these facilities as they participate in MUTV and/or MUR the student operated campus television and radio stations.

Libraries Overview

The University’s libraries support the teaching, research and service mission of Marquette University by providing access to recorded knowledge through collections, services, cooperative programs and connections to worldwide resources. The libraries combine state-of-the-art technologies with a repository of information in an atmosphere of service and learning. A full description of resources, hours, news and services is found at the Libraries’ marquette.edu/library.

Collections of more than 1.7 million volumes and 3,700 print subscriptions are housed in the John P. Raynor, S.J, Library and the adjoining Memorial Library; the Law Library is separately described below. The libraries’ shared online catalog, MARQCAT, includes all book and periodical holdings, locations and circulation status.

Raynor Memorial Libraries

The Raynor Library, built in 2003, holds a commanding position at the physical and intellectual center of the campus. Raynor Library, seating 1,100, is designed around the needs of its users, preserving the university’s extensive traditional collections, while expanding its capacity for incorporating digital technology into access and delivery of information. The library offers over 300 online databases, thousands of books in digital format, and an ever-growing (over 26,000 titles) collection of full-text online newspapers, journals and magazines. The primary service point in Raynor is the two-level Information Commons (IC), with over 240 networked PCs and Macs, multimedia hardware and software and comfortable small group study spaces. The Information Desk is open 104 hours weekly and, in addition, offers research consultations by appointment, and phone, IM, e-mail and 24/7 “chat” assistance through its AskUs! services.
Raynor’s first level is open 24/7 when classes are in session, and the second level and bridge are open until 2 a.m. Sunday through Thursday, offering access to workstations and comfortable, safe late-night study space. Library hours during the summer, intercessions and holidays are posted and updated regularly on the 24-hour recorded message at (414) 288-1530.

Additional features of Raynor Library include: reference collections, circulating laptops with wireless connectivity, the Class Reserves and Media Services Desk, Browsing and Spirituality collections and the Funding Information Center. A conference center accommodating large groups and video conferencing, the Writing Center and the Center for Teaching and Learning are also located in the facility. The second-level bridge entrance to Memorial Library features a 4,800 square foot café with casual seating, popular reading materials and wired and wireless network connections.

Memorial Library, renovated top-to-bottom in 2004 and entered via the 2nd level bridge, houses the majority of the book and journal collections. The library is open 104 hours weekly and offers a variety of seating choices for over 1,050 readers. An open stack arrangement presents over six linear miles of compact shelving for bound journals on the lower level, plus book shelving on five floors. The facilities in this library include a circulation desk, a cluster of PCs, and assigned research carrels for faculty and graduate students.

Most library services and online research databases are available to students 24/7 from both on- and off-campus locations. Class reserve readings are digitized for online access whenever possible. Interlibrary Loan provides both books and journal articles from other libraries on request and a variety of other cooperative programs assure library privileges for Marquette students at other libraries in Southeastern Wisconsin. The Milwaukee County Federated Library System, including the Central Library just four blocks from campus, also lends to Marquette students. Above all, service-oriented staff members are committed to guiding and teaching users throughout the research process.

Special Collections and Archives

Raynor Library also houses the Department of Special Collections and Archives and its research/exhibit area on the third floor. Its archival and manuscript collections and over 7,000 rare books include the archives of Marquette University; the papers of faculty, students, staff, and alumni; and major collections relating to Christianity among Native Americans and 20th-century Catholic social action. These include research collections for the following individuals and organizations: the Bureau of Catholic Indian Missions, Dorothy Day and the Catholic Worker movement, the National Catholic Conference for Interracial Justice, and the National Catholic Rural Life Conference. J.R.R. Tolkien’s original manuscripts form a unique and notable research collection.

For more information on Raynor Memorial Libraries:
- Libraries’ website at marquette.edu/library.
- Campus map showing campus libraries at marquette.edu/campus-map/marquette-map.pdf
- AskUs! Phone, e-mail, IM, or text information services marquette.edu/library/research/askus.shtml
- Hours at marquette.edu/library/about/hours.shtml or 24-hour recorded message (414) 288-1530.

Law Library

The primary mission of the Marquette University Law Library is to support, through its information and service resources, the curricular, research and service activities of the Marquette University Law School faculty and students.

The Law Library is located in the Law School in Eckstein Hall. The collection is comprised of 362,586 volumes representing 199,066 print volumes and 3,200 electronic and print subscriptions. Wireless connectivity is available throughout Eckstein Hall.

The Law Library maintains a comprehensive electronic and print collection of primary legal materials from all jurisdictions in the United States as well as a growing collection of international and comparative legal materials. In addition, the Law Library subscribes to BNA, the online CIS Serial Set, Hein Online, Lexis-Nexis, Loislaw, Westlaw and Wisconsin CLE materials, and is a depository of federal government information resources.

Research Centers and Institutes

In order to foster and enhance research and study at Marquette University, a number of units on campus have established thematic research centers and institutes. These centers and institutes offer the opportunity for active collaboration and research in a variety of categorical areas.

The centers generally are designed to bring an interdisciplinary focus to the study of complex problems and involve the participation of several faculty members. Opportunities are available for student participation in the programs of several of the centers and institutes.

The Office of the Provost maintains a list of currently active centers and institutes online at marquette.edu/research/centers.php.
Student Financial Aid

Both merit-based and need-based financial aid is available to graduate students at Marquette University. The university’s Marquette Central offers and administers need-based financial aid such as loans and federal work-study employment, and non-need based aid such as student work opportunity employment and private employment. The Graduate School offers and administers merit-based aid such as teaching assistantships, research assistantships, tuition scholarships and a variety of fellowships.

Students may opt to pay for their studies in a variety of ways. In addition to merit- and need-based aid, they may use their personal funds, sign up for the monthly payment plan offered by Marquette Central, receive assistantships funded by faculty members’ grants, or apply for outside scholarships and fellowships. Numerous funding options are listed and regularly updated in the financial aid section of marquette.edu/grad/.

Resolution Of The Council of Graduate Schools in the United States

Marquette University is a signatory to the CGS resolution. The resolution states that acceptance of an offer of financial support (such as a graduate scholarship, fellowship, traineeship or assistantship) for the next academic year by a prospective or enrolled graduate student completes an agreement that both student and graduate school expect to honor. When a student accepts an offer before April 15 and subsequently desires to withdraw that acceptance, the student may submit a written resignation of the appointment at any time through April 15. However, an acceptance given or left in force after April 15 commits the student not to accept another offer without first obtaining a written release from the institution to which a commitment has been made. Similarly, an offer by an institution after April 15 is conditional on presentation by the student of written release from any previously accepted offer. It is further agreed that institutions subscribing to the CGS resolution will enclose a copy of the resolution with every scholarship, fellowship, traineeship and assistantship offer it sends prior to April 15.

Merit-Based Competitive Financial Aid

Students applying for merit-based aid must:

• Be admitted to degree or certificate programs (exceptions are made for the Catholic Schools Personnel Scholarships and the Milwaukee Area Teachers Scholarships),
• Not be admitted on probation.
• Maintain 3.00 grade point averages (term and cumulative). Failure to do so may result in the withdrawal or discontinuation of their aid.

Awards are made on the basis of academic record and scholarly promise. Factors used in determining this aid include the applicants’ transcripts, letters of recommendation, test scores, and academic backgrounds. Financial need is not a factor.

Every recipient of financial aid offered by the Graduate School receives a Rules and Guidelines for Graduate School Financial Aid brochure with their award letter. The brochure is also available online at marquette.edu/grad/finaid_forms.shtml. The brochure covers topics such as responding to the offer, reapplying for aid, and handling involuntary termination procedures. Acceptance of the offer of financial aid implies knowledge of the rules and guidelines covering such aid, and aid recipients will be held accountable for complying with those rules and guidelines.

Assistantships*

Assistants work approximately twenty hours per week in their departments. Outside employment is not allowed without written permission of the student’s adviser and the Graduate School. Assistants receive stipends and full tuition scholarships.

1. Types of Assistantships

• Graduate Teaching Assistantships
  Graduate teaching assistants may serve as instructors of record, or assist faculty in teaching courses including functioning as discussion/ laboratory section leaders or in providing other appropriate professional assistance including grading examinations, problem sets, and/or lab assignments, setting up displays for lectures and laboratory sections, and preparing or maintaining equipment used in laboratory sections.

• Graduate Research Assistantships
  Graduate research assistants are graduate students conducting academically significant research under the direction of a faculty member. Graduate research assistantships are awarded by departments with faculty members engaged in research projects.

• Graduate Assistantships
  Graduate assistants are appointed for the primary purpose of assisting in classroom or laboratory instruction or in the conduct of research. Graduate assistants are included in this category when differentiating between primarily instruction and primarily research duties is difficult.
• **Graduate Service Assistantships**

Graduate service assistants meet the definition of a graduate assistant except students are not appointed for the primary purpose of assisting in classroom or laboratory instruction or in the conduct of research. Graduate service assistant positions are awarded for the primary purpose of gaining experience, practice, or guidance that is significantly connected to the students’ fields of study and career preparation. Graduate service assistants typically serve the university outside of an academic department and may provide service to off-campus organizations affiliated with the university. Trinity Fellows are included in this classification.

The following graduate programs offer assistantships:

- • Biological Sciences
- • Biomedical Engineering
- • Business Administration
- • Chemistry
- • Civil Engineering
- • Clinical Psychology
- • Communication
- • Counselor Education and Counseling Psychology
- • Economics
- • Educational Policy and Leadership
- • Electrical and Computer Engineering
- • English
- • Foreign Languages and Literatures
- • History
- • Mathematics, Statistics and Computer Science
- • Mechanical Engineering
- • Nursing
- • Philosophy
- • Physical Therapy
- • Political Science
- • Speech-Language Pathology
- • Theology/Religious Studies

Refer to the table, found within this section, for more information about assistantships, or view the Rules and Guidelines for Graduate School Assistantships at marquette.edu/grad/finaid_forms.shtml.

* Programs that do not offer graduate assistantships include physician assistant studies, transfusion medicine and all programs offered by the College of Professional Studies. Dental students must contact the associate dean for research and graduate studies at the School of Dentistry for award consideration.

2. **Health Insurance for Eligible Assistants**

Marquette University works with an outside plan administrator to offer graduate students health insurance. Certain Marquette University graduate assistants and fellows, including some recipients of grant funding, will be eligible to have some, or all, of the basic premium paid by Marquette University.

If you have any questions about health insurance please visit the website at marquette.edu/riskunit/riskmanagement/student_health_insurance.shtml, or call them at (414) 288-6806.

**Scholarships**

Many programs offer scholarships to pay for tuition charges. Scholarships do not pay for prerequisites, audited courses, or non-related degree program courses and fees. They will not pay for more than six thesis or twelve dissertation credits. More information about scholarships is in the Rules and Guidelines for Graduate School Scholarships on the Graduate School website at marquette.edu/grad/.

* Programs that do not offer graduate scholarships include physical therapy, physician assistant studies, transfusion medicine, and all programs offered by the College of Professional Studies. Dental students must contact the associate dean for research and graduate studies at the School of Dentistry for award consideration.

**Fellowships**

A number of foundations, corporations, individual philanthropists, as well as the university, provide fellowships to Marquette graduate students. Fellowships do not have departmental work obligations, but outside employment is not allowed without the written permission of
the student’s adviser and the Graduate School. Specific requirements of fellowships are included in award offer letters. Most fellowships require departmental nominations. Refer to the table, found within this section, for a listing of fellowships and application and nomination requirements. More information about fellowships can be found on the Graduate School website at marquette.edu/grad/finaid_forms.shtml.

Application Procedures

New applicants for admission should complete the marquette-grad.edu.185r.net/application/login/ (https://marquette-grad.edu.185r.net/application/login), and submit all admission materials by the application deadline (see below). Applicants for the Catholic Schools Personnel Scholarship may obtain a special paper application from the Graduate School, or they may apply online at marquette.edu/grad/finaid_forms.shtml

Admitted or continuing students should complete and submit the Financial Aid Application for Admitted Students by the application deadline (see below). The form may also be completed and submitted marquette.edu/grad/finaid_forms.shtml.

Application Deadlines

For priority consideration, applications are due in the Graduate School by 4:30 p.m. on the following dates. Deadlines falling on weekends or holidays will be extended to the close of the next business day.

<table>
<thead>
<tr>
<th>Session</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall Term</td>
<td>Feb. 15</td>
</tr>
<tr>
<td>Spring Term</td>
<td>Nov. 15</td>
</tr>
<tr>
<td>Summer Term</td>
<td>April 15</td>
</tr>
</tbody>
</table>

Some programs may have deadlines for fall admission that are earlier than the financial aid application deadlines. New applicants for financial aid in those programs must adhere to the earlier department deadlines that are listed in the specific program sections of this bulletin.

Merit-Based Competitive Financial Aid - Available Programs

<table>
<thead>
<tr>
<th>Program</th>
<th>Eligibility</th>
<th>Amounts</th>
<th>Application Process</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Greater Milwaukee Foundation's Frank Rogers Bacon Research Assistantship</td>
<td>Master’s and doctoral students in the Department of Electrical Engineering.</td>
<td>Up to full stipend and variable tuition scholarship amounts. May also offer reimbursement for books or equipment needed for course work.</td>
<td>Interested students should write to the chairperson of the Department of Electrical and Computer Engineering.</td>
</tr>
<tr>
<td>Adelaide and Hubert Booz Scholarship in Neuropsychology</td>
<td>Graduate students in counselor education and counseling psychology.</td>
<td>Tuition scholarship amount varies depending upon fund availability.</td>
<td>Nominations are made by Dept. of Counselor Education and Counseling Psychology.</td>
</tr>
<tr>
<td>R.A. Bournique Memorial Fellowship</td>
<td>Summer research support for graduate students in chemistry.</td>
<td>Amount varies depending upon fund availability.</td>
<td>Applicants should contact the Department of Chemistry for information.</td>
</tr>
<tr>
<td>John Braig Family Scholarship in Theology</td>
<td>Provides stipends in varying amounts to Catholic priests and seminarians.</td>
<td>Amount varies depending upon fund availability.</td>
<td>Eligible students will be invited to apply by the Graduate School.</td>
</tr>
<tr>
<td>Father Henry Casper, S.J. Memorial Fellowship in History</td>
<td>Provides stipend, scholarship, or travel reimbursement for graduate students in history.</td>
<td>Amount varies depending upon fund availability.</td>
<td>Nominations are made to the Graduate School by the Department of History.</td>
</tr>
<tr>
<td>Catholic Schools Personnel Scholarship</td>
<td>Teachers, administrators and other professionals employed by Catholic elementary and secondary schools in the Archdiocese of Milwaukee.</td>
<td>Covers up to two-thirds of a three credit course.</td>
<td>Applications are available from the Graduate School and online. Fall deadline June 15; spring deadline November 15; summer deadline April 15.</td>
</tr>
<tr>
<td>Dominican Sisters of Sinsinawa Graduate Education Award</td>
<td>Catholic Sisters of the Dominican Order of the Sinsinawa Province. Under special circumstances, funds may be available to other Catholic students.</td>
<td>Stipend for living expenses and/or tuition.</td>
<td>Recipients are authorized by the Superior of the Order.</td>
</tr>
<tr>
<td>Scholarship Name</td>
<td>Eligibility</td>
<td>Description</td>
<td>Nominations made by</td>
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</tr>
<tr>
<td>John J. Eisch Graduate Fourth or fifth year doctoral students in Research Fellowship in Chemistry</td>
<td>Fourth or fifth year doctoral students in chemistry. Recipient will have completed candidacy orals and demonstrate excellence in research.</td>
<td>Ten months of financial support. Amount varies depending upon fund availability. Nominations are made by the chair of the Department of Chemistry in consultation with graduate faculty.</td>
<td>No application necessary. Awards selected by School of Dentistry scholarship committee. Recipients will be notified after July 1.</td>
</tr>
<tr>
<td>Forward Dental Graduate Residency Scholarship</td>
<td>Graduate residents enrolled in the prosthodontics, orthodontics, or endodontics programs.</td>
<td>Amount varies depending upon fund availability. Nominations are made by the Graduate School by Healthcare Technologies Management.</td>
<td>No application necessary. Nominations are made to the Graduate School by Healthcare Technologies Management.</td>
</tr>
<tr>
<td>G.E. – Marquette Medical Systems, Inc. Scholarship</td>
<td>Graduate students in healthcare technologies management.</td>
<td>Amount varies depending upon fund availability. Nominations are made to the Graduate School.</td>
<td>Nominations are made to the Graduate School.</td>
</tr>
<tr>
<td>Graduate Assistant</td>
<td>Full-time students in degree programs.</td>
<td>Full stipends and up to 18 credits of tuition scholarship. Submit application to the Graduate School. Fall deadline February 15; spring deadline November 15.</td>
<td>Application procedures are announced each spring for the following fall term.</td>
</tr>
<tr>
<td>Graduate Student Organization Coordinator</td>
<td>Graduate students in all programs.</td>
<td>Award includes a half stipend and a half tuition scholarship. Application procedures are announced each spring for the following fall term.</td>
<td>Application procedures are announced each spring for the following fall term.</td>
</tr>
<tr>
<td>Dr. Catherine Groteleuschen Scholarship Fund in Biology</td>
<td>Graduate students in biological sciences.</td>
<td>Amount varies depending upon fund availability. Nominations are made to the Graduate School by the Department of Biological Sciences.</td>
<td>No application necessary. Nominations are made to the Graduate School by the Department of Biological Sciences.</td>
</tr>
<tr>
<td>Laura Ladhish Jacobson Scholarship</td>
<td>Graduate students in speech-language pathology.</td>
<td>Amount varies depending upon fund availability. Nominations are made to the Graduate School by the Department of Speech Pathology and Audiology.</td>
<td>Nominations are made to the Graduate School by the Department of Speech Pathology and Audiology.</td>
</tr>
<tr>
<td>Patricia C. Janz Scholarship</td>
<td>Need- and character-based scholarship for students in the Dept. of Counselor Education and Counseling Psychology.</td>
<td>Amount varies depending upon fund availability. The Department of Counselor Education and Counseling Psychology makes nominations to the Graduate School.</td>
<td>The Department of Counselor Education and Counseling Psychology makes nominations to the Graduate School.</td>
</tr>
<tr>
<td>Jesuit International Scholarship</td>
<td>Jesuits from countries other than the U.S.</td>
<td>Tuition scholarship up to 18 credits. Contact the Graduate School or the rector of the Jesuit community.</td>
<td>Contact the Graduate School or the rector of the Jesuit community.</td>
</tr>
<tr>
<td>Richard W. Jobling Fellowship</td>
<td>Master’s and doctoral students in biological sciences; chemistry; mathematics, statistics and computer science; biomedical engineering; civil engineering; electrical and computer engineering; or mechanical engineering.</td>
<td>Up to a $2,000 stipend to supplement an assistantship. Nominations are made to the Graduate School by the individual graduate units.</td>
<td>Nominations are made to the Graduate School by the individual graduate units.</td>
</tr>
<tr>
<td>Paul A. Ketterer Scholarship</td>
<td>Degree-seeking students who are also eligible to apply for the Catholic Schools Personnel Scholarship (CSPS).</td>
<td>Up to 5 years of support. Amount varies depending upon fund availability. Submit the CSPS application by June 15 for fall and by Nov. 15 for spring.</td>
<td>Submit the CSPS application by June 15 for fall and by Nov. 15 for spring.</td>
</tr>
<tr>
<td>Dr. Joseph and Robin Lasnoski Scholarship</td>
<td>Master’s students in theology.</td>
<td>Amount varies depending upon fund availability. Nominations are made to the Graduate School by the Department of Theology.</td>
<td>Nominations are made to the Graduate School by the Department of Theology.</td>
</tr>
<tr>
<td>Albert and Cecil Lue-Hing Engineering Scholarship</td>
<td>Graduate students in civil engineering. Available every other year to graduate students.</td>
<td>Amount varies depending upon fund availability. Nominations are made to the Graduate School by the Department of Civil and Environmental Engineering.</td>
<td>Nominations are made to the Graduate School by the Department of Civil and Environmental Engineering.</td>
</tr>
<tr>
<td>Marquette University Graduate School Diversity Fellowship</td>
<td>See details online at <a href="http://www.marquette.edu/grad/finaid_diversityfellowship.shtml">http://www.marquette.edu/grad/finaid_diversityfellowship.shtml</a>.</td>
<td>Doctoral: $20,000 stipend plus full scholarship for up to 4 years. Master’s: $20,000 stipend plus full scholarship for up to 2 years. See procedures online at <a href="http://www.marquette.edu/grad/finaid_diversityfellowship.shtml">http://www.marquette.edu/grad/finaid_diversityfellowship.shtml</a>. Deadline is February 15.</td>
<td>See procedures online at <a href="http://www.marquette.edu/grad/finaid_diversityfellowship.shtml">http://www.marquette.edu/grad/finaid_diversityfellowship.shtml</a>. Deadline is February 15.</td>
</tr>
<tr>
<td>Fellowship Name</td>
<td>Eligibility</td>
<td>Award Details</td>
<td>Information</td>
</tr>
<tr>
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</tr>
<tr>
<td>Marquette Minority Fellowship</td>
<td>Minorities underrepresented in American graduate education (African Americans, Hispanic Americans, and Native Americans). Must be a U.S. citizen.</td>
<td>A minimum one-half assistantship stipend and a nine-credit scholarship. The student’s department is strongly encouraged to supplement this award and to provide support in subsequent years.</td>
<td>Nominations are made to the Graduate School by the individual graduate units.</td>
</tr>
<tr>
<td>Jeanne McGinn Redding Scholarship</td>
<td>Graduate students in speech-language pathology.</td>
<td>Amount varies depending upon fund availability.</td>
<td>Nominations are made to the Graduate School by the Department of Speech Pathology and Audiology.</td>
</tr>
<tr>
<td>Leslie G. and Cecile C. Matthews Scholarship</td>
<td>Students in all graduate programs who demonstrate financial need.</td>
<td>Amount varies depending upon fund availability from 1 to 9 credits per semester.</td>
<td>The various graduate programs make nominations to the Graduate School.</td>
</tr>
<tr>
<td>Maurice L. Madden Biomedical Engineering Fellowship</td>
<td>Graduate students in biomedical engineering.</td>
<td>Financial assistance usually in the form of a stipend.</td>
<td>Nominations are made to the Graduate School by the Department of Biomedical Engineering.</td>
</tr>
<tr>
<td>Marquette University Women's Club Fellowship</td>
<td>Students who received the baccalaureate degree at Marquette University.</td>
<td>$2,000 stipend.</td>
<td>Nominations are made to the Graduate School by a different graduate unit each year.</td>
</tr>
<tr>
<td>Dr. Charles J. Mears Scholarship</td>
<td>Graduate residents in the first year of the orthodontics program.</td>
<td>Amount varies depending upon fund availability.</td>
<td>No application necessary. Awards selected by orthodontics program faculty. Recipients will be notified after July 1.</td>
</tr>
<tr>
<td>Milwaukee-Area Teachers Scholarships</td>
<td>Elementary and secondary school teachers in the Milwaukee area.</td>
<td>One-half of a three credit course, or 1.5 credits.</td>
<td>Apply online by the deadline. Fall deadline February 15; summer deadline April 15; spring deadline November 15.</td>
</tr>
<tr>
<td>Denis J. O'Brien Fellowship</td>
<td>Students involved in summer study and research in the Departments of Chemistry (2013) and Biological Sciences (2014).</td>
<td>Amount varies depending upon fund availability.</td>
<td>Nominations are made to the Graduate School by the department.</td>
</tr>
<tr>
<td>Charles O'Hara Scholarship</td>
<td>Graduate students in biology involved in summer work at Woods Hole, Massachusetts, Cold Spring Harbor Laboratory, or a similar laboratory devoted to the study of biological sciences.</td>
<td>Tuition scholarship.</td>
<td>Nominations are made by the Department of Biological Sciences.</td>
</tr>
<tr>
<td>Orthopaedic Human Motion Analysis Fellowship</td>
<td>Advanced graduate students in bioelectronics and biomechanics. Through clinical collaboration with the Department of Orthopaedic surgery at the Medical College of Wisconsin.</td>
<td>Up to 18 credits of tuition scholarship.</td>
<td>Nominations are made to the Graduate School by the Department of Biomedical Engineering.</td>
</tr>
<tr>
<td>Jeremiah L. O’Sullivan Fellowship in Public Affairs Journalism</td>
<td>Master’s students in journalism with a special emphasis in public affairs journalism.</td>
<td>Stipend and/or tuition scholarship.</td>
<td>Nominations are made to the Graduate School by the Diederich College of Communication.</td>
</tr>
<tr>
<td>Preparing Future Faculty Coordinator</td>
<td>Graduate students in all programs.</td>
<td>Award includes a full stipend and a full tuition scholarship for the following fall term.</td>
<td>Application procedures are announced each year.</td>
</tr>
<tr>
<td>Reverend John P. Raynor, S.J. Fellowship</td>
<td>Master’s and doctoral students. Recipients are expected to be in residence at Marquette and engaged in full-time study.</td>
<td>$19,000 stipend for doctoral students; a stipend for master’s students to supplement assistantship award; up to 18 credits of tuition scholarship.</td>
<td>Students wishing to be nominated for this fellowship should communicate their interest to their departments by November 15. Nominations from the departments are reviewed in the Graduate School and decisions are usually announced by February 15.</td>
</tr>
<tr>
<td>Ann Rehberg End of Life Care Scholarship</td>
<td>Graduate students in the College of Nursing.</td>
<td>Amounts vary depending upon fund availability.</td>
<td>Nominations are made to the Graduate School by the College of Nursing.</td>
</tr>
</tbody>
</table>
Research Assistantship: Full-time students in degree programs.

Agnes A. Reinders Scholarship: Full-time graduate students in the College of Nursing.

Joseph A. and Dorothy C. Rutkauskas Scholarship: Graduate students in the College of Engineering.

Arthur J. Schmitt Fellowship: Students in doctoral programs who intend to pursue a career in college teaching.

Eugene J. Schumack Memorial Journalism Fund: Graduate students in journalism.

Smith Family Fellowship: Doctoral students in history, English, philosophy, and theology who have dissertation topics that require travel out of state to collect data.

Milo F. Snyder Scholarship in Business: Finance majors in the Graduate School of Management's MBA program.

Lawrence F. and Margaret C. Stollenwerk Scholarship Fund: Students enrolled in an older adults/gerontological nursing program.

Larry and Cindy Susienka Family Foundation Scholarship: Students in speech pathology and audiology, Preference given to early acceptance program participant with a focus on geriatrics.

Earl W. Swokowski Fellowship in Mathematics: Students with teaching or research assistantships in the Department of Mathematics, Statistics and Computer Science.

Teaching Assistantship: Full-time students in degree programs.

Trinity Fellowship: Graduate students in limited academic programs with prior service in the Peace Corps, Jesuit Volunteer Corps, AmeriCorps, or comparable service. Requires work in a specified social agency.

Tuition Scholarship: Full-time students in degree programs.
Wisconsin Province of the Society of Jesus Grant Fund
Non-Jesuit members of religious orders from developing countries.
Tuition scholarship amounts vary depending upon fund availability.
Contact the Graduate School.

Dorothy Randles Wood Graduate students in speech pathology and audiology.
Amounts vary depending upon fund availability.
Nominations are made to the Graduate School by the Department of Speech Pathology and Audiology.

Financial Aid Available From the Office of Student Financial Aid

Financial aid consists of scholarships or assistantships, student loans and part-time employment, and can help meet the costs of a graduate or professional program.

Scholarships and assistantships are awarded by each school or program (dental, law, health sciences or graduate). Questions concerning scholarships and assistantships should be directed to the admissions or dean’s office of the school or program in which you plan to enroll.

The most current and accurate information can be obtained by visiting marquette.edu/mucentral. Marquette Central professional staff is available for assistance Monday through Friday, 8:00 a.m. to 4:30 p.m. at (414) 288-4000. Although care is taken to ensure the accuracy and timeliness of information contained in this bulletin, the information is subject to change and/or deletion without notice due to unintended error and/or ongoing changes in federal and state legislation.

Eligibility Requirements

To be considered for federal financial aid, students must meet the following requirements:

• Be a U.S. citizen or an eligible non-citizen. Students with F1, F2, J1, or J2 visas are not eligible.
• Be registered with Selective Service, if required.
• Complete the Free Application for Federal Student Aid (FAFSA) at www.fafsa.gov (http://www.fafsa.gov).
• Not be in default on any loan or owe a refund on any grant made under Title IV of the Higher Education Act of 1965, as amended, at any institution.
• Demonstrate financial need, if applying for need-based aid.
• Be enrolled at least half-time. Audit, repeat and other non-credit classes do not apply.
• Half-time: 4 credits per semester for Graduate; 6 credits per semester for Dental, Law, and Health Sciences.
• Be working toward a degree or certificate.
• Be making Satisfactory Academic Progress (i.e., to be eligible for aid, a student must have academic standing that is consistent with university requirements for graduation).

Application Procedures

Students may apply for financial aid if they are currently enrolled or are applying for admission to Marquette University. Be advised that no offer of financial assistance will be made until the student is formally admitted to the university. All students applying for financial aid must complete the Free Application for Federal Student Aid (FAFSA). The FAFSA is available online at www.fafsa.gov (http://www.fafsa.gov) beginning on January 1 for the upcoming academic year.

During the application process, students may be asked to verify the information reported on the FAFSA. Any aid offer will be contingent upon completion of the verification process.

Satisfactory Academic Progress Policy

Marquette University is required by federal regulation to apply qualitative and quantitative standards in measuring academic progress for financial aid purposes. These standards apply to all students who receive institutional, state and federal Title IV and Title VII funds administered by the university. Federal Title IV programs include Federal Pell Grants, Federal Supplemental Educational Opportunity Grants, Federal Direct Stafford and PLUS Loans, Federal Perkins Loans, Federal Work Study, and the Iraq and Afghanistan Service Grant. Title VII programs include HHS Health Professions Loans, the HHS Scholarship for Disadvantaged Students, the HHS Loan for Disadvantaged Students, the HHS Nurse Faculty Loans and Federal Nursing Student Loans.

Marquette has established the following criteria in conjunction with federal regulation published on Oct. 6, 1993, Federal Register Part 668.16 and in the Higher Education Amendments of 1986. New rules for Satisfactory Academic Progress (SAP) became effective July 1, 2011 and are in effect for periods of enrollment beginning August 24, 2011. Progress will be evaluated annually after the spring term and termination is effective for the next term of enrollment. Notification of termination will be sent electronically to the student’s Marquette e-mail address.

Progress for students working on a second degree begins at the start of the new degree.
I. Qualitative Standards of Academic Progress

Financial aid recipients are governed by the performance standards of the school or college in which they are enrolled.

• Graduate School
  - 1-9 credits - student must maintain a cumulative 2.500 GPA.
  - 9+ credits - student must maintain a cumulative 3.000 GPA.

II. Quantitative Standards of Academic Progress (PACE)

Students must complete their academic programs and receive their degrees within a maximum time frame to continue receiving Title IV financial aid. Listed below is the maximum number of credits (including AP, test, and transfer credits) or years a student may attempt toward degree completion. At the point it is determined that students are unable to complete the program within the required maximum time frame, they will receive notification that they are no longer eligible to receive Title IV financial aid. In addition, students who have completed their academic program requirements but have not conferred (taken) a degree will be notified they are ineligible for Title IV aid.

| Graduate School - Master's Degrees | 6 years |
| Graduate School - Doctoral Degrees | 8 years |

In addition, the following quantitative standards must be met:

**Graduate School** - must earn 75% of their cumulative credits attempted.

**Note:** Grades of I, IX, NC, UNC, X, ADW, UY, W, WA, UW and U, unreported grades, grades of F or audit credits are not counted as earned credits. Repeat courses are included in attempted credits but are only counted once in the cumulative earned.

III. Failure to Meet the Satisfactory Academic Progress Standards (Quantitative [PACE] and Qualitative)

Effective July 1, 2011, SAP “warning” status has been eliminated by federal regulation. A student who fails SAP after the spring evaluation cannot enter a “warning” status and receive aid for the subsequent fall term. A student who fails SAP has the option to appeal. See Section IV for appeal procedures and requirements.

If a student in an ineligible status receives aid, full repayment will be required of all funds received, excluding employment earnings. A student working under the Federal Work Study program will have his/her employment terminated. When a student has made satisfactory progress as outlined above after a particular term at Marquette at his/her own expense, the student must provide the Office of Student Financial Aid with a final grade report. The student will then be reinstated to an eligible status.

IV. Satisfactory Academic Progress Appeal Procedures

1. Student must complete the Satisfactory Academic Progress Appeal Form and forward the form to the appropriate college adviser for completion. The basis of your appeal may include, but is not limited to, the following extenuating circumstances: personal injury or illness, family difficulties, interpersonal problems, death of student’s relative.

   **NEW** - Appeals without academic plans will only be considered for students who can meet the Satisfactory Academic Progress standards within the subsequent term. All other appeals must include an adviser-approved academic plan that, if followed, will ensure that the student is able to meet Satisfactory Academic standards by a specific point in time. A student is considered to be on Financial Aid Probation, if their appeal is approved, while they are adhering to their academic plan and until such time as the student is able to meet the Satisfactory Academic standards.

2. Results of the appeal will be communicated electronically to the student’s Marquette e-mail address from the Office of Student Financial Aid.

3. Appeal must be granted prior to the end of the term for which aid is desired.

4. Recommendation of the college is final.

**Note:** A new Appeal Form and Academic Plan contract is in the process of being developed.

Office of Student Financial Aid - Available Programs

Gift Assistance

American Indian Graduate Fellowship Program (AIGC)

**Eligibility:**

1. Enrolled full-time.
2. Certified as Indian by tribe.
3. Must show financial need.
4. Must be in post-baccalaureate program.
Amounts:
Federal government funds program, AIGC selects eligible students and determines amount of each student's fellowship.

Application Process:
1. File the Free Application for Federal Student Aid (FAFSA).
2. Contact AIGC at www.aigc.com (http://www.aigc.com) or (505) 881-4584 to request application directly. Deadline is June 1.

Employment Assistance

Marquette Student Employment (MSE)
Eligibility:
Must show proof of identity and eligibility to work in U.S. (original birth certificate, Social Security card or U.S. passport, visa).

Amounts:
Varies. Determined by each employer.

Terms:
1. Paid every two weeks; rate of pay depends on nature of job, skills and experience.
2. It is Marquette's position that students work no more than 20 hours per week while classes are in session. Students may work up to 37.5 hours per week when classes are not in session, such as during official breaks and summer.
3. Employer determines rate of pay and frequency of payment.

Application Process:
Use the JobConnection website at jobconnection.mu.edu (https://jobconnection.mu.edu/interfase.htm) to access job listings.

Off-Campus Employment
Eligibility:
Must show proof of identity and eligibility to work in U.S. (original birth certificate, Social Security card or U.S. passport, visa).

Amounts:
Varies. Determined by each employer.

Terms:
Off-campus positions with Milwaukee area businesses have no restrictions on hours worked; however, it is Marquette's position that students work no more than 20 hours per week while classes are in session.

Application Process:
Use the JobConnection website at jobconnection.mu.edu (https://jobconnection.mu.edu/interfase.htm) to access job listings.

Loan Assistance

William D. Ford Federal Direct Loan - Unsubsidized (Stafford Loan)
Eligibility:
1. Enrolled at least half-time in a degree program.
2. Not in default on prior federal student loans.
4. Making satisfactory progress toward a degree.
5. Completed the FAFSA.

Amounts:
Annual limit $20,500.

Terms:
1. Interest rate is fixed at 6.8 percent.
2. Interest is charged for the life of the loan.
3. Students may choose to make quarterly interest payments, or have the interest deferred and capitalized once prior to repayment.
4. A one percent processing fee is deducted from the loan proceeds when the funds are disbursed. See loan disclosure statement for details.
5. No prepayment penalty.
Application Process:
1. File the Free Application for Federal Student Aid (FAFSA).
2. Eligible students who have accepted the Stafford Loan on CheckMarq will receive instructions on completing the required electronic
   Master Promissory Note (eMPN) and Stafford Loan Entrance Counseling.

Federal Direct Grad PLUS Loan

Eligibility:
1. Enrolled at least half-time in a degree program.
2. Not in default on prior federal student loans.
4. Making satisfactory progress toward a degree.
5. Completed the FAFSA.
6. Must be credit worthy.

Amounts:
Students may borrow up to the difference between the Cost of Attendance minus the other financial aid.

Terms:
1. Interest rate is fixed at 7.9 percent.
2. Interest is charged for the life of the loan.
3. Students may choose to make quarterly interest payments, or have the interest deferred and capitalized once prior to repayment.
4. A four percent processing fee is deducted from the loan proceeds when the funds are disbursed. See loan disclosure statement for
details.
5. No prepayment penalty.

Application Process:
1. File the Free Application for Federal Student Aid (FAFSA).
2. Complete and submit the Federal Direct Grad PLUS Loan Credit Authorization Form.
3. Once the Grad PLUS Loan is approved by the Federal Processor, instructions will be e-mailed to a student’s Marquette e-mail address
   on completing the required electronic Master Promissory note (eMPN) and Grad PLUS Loan Entrance Counseling.
Marquette University Payment Policy

The staff in Marquette Central is dedicated to providing service to our students and families in a professional and friendly manner while following the policies and procedures set forth by the university. The office provides accurate and timely information about each student's bursar account while encouraging our students to be active participants in managing their account.

The final step to complete a student's registration is payment in full of all fees for the term. Marquette University sends a monthly electronic billing statement to each student while the student has an account balance. A student may also view his/her e-bill via CheckMarq. Payment due dates are available at marquette.edu/mucentral. It is the student's responsibility to pay tuition, fees and housing by the published due date whether he/she receives a bill or not. Students who do not plan to attend the university are responsible for dropping classes through CheckMarq and notifying their respective college office. All courses for which a student is officially registered as of the close of registration are subject to fee assessment and payment, and as such to appear as part of the student's permanent record even if the student does not attend any sessions of the class. To avoid unnecessary fee charges and unnecessary courses with permanent failing or withdrawal grades on the student's permanent record, it is the student's responsibility to review his/her official registration prior to the end of late registration to ensure it accurately reflects the courses in which the student plans to be enrolled. Students assume responsibility for the consequences that ensue as a result of any withdrawal grade. These consequences include, but are not limited to: a delay in graduation, dismissal from the degree program, external institutions/entities viewing these grades as failing grades, loss of eligibility for certain scholarships and/or financial aid, loss of full-time status and/or loss of a refund.

Students who do not pay in full by the due date, enroll in the Marquette Monthly Payment plan or submit a billing authorization from an approved sponsor will have a registration block, transcript block and diploma block placed on their accounts. There will be a $100 fee for the removal of the block. Failure to pay any balance when due may result in the cancellation of a student's registration for the current academic term, referral of the account to a collection agency, legal action to collect any balance due or any combination thereof. If the university must take legal action to collect any unpaid balance, the student will be responsible for all fees and costs incurred by the university to collect the unpaid balance.

Payment Options

Traditional Semester Payment

Payment of all tuition, housing and other billed charges is due in full prior to the beginning of each term. Cash and checks are acceptable methods of payment. Payment may also be made electronically (direct debit from checking or savings account) by accessing the link on the Marquette Central website at marquette.edu/mucentral. Credit card payment is available through a third party provider. The convenience fee for using this service is variable depending on the amount of the charge. This service may be accessed through the link on the our website marquette.edu/mucentral or by calling (866) 893-4518.

Marquette Monthly Payment Plan

Marquette offers the Marquette Monthly Payment Plan, which enables students and their families to budget all of their semester tuition, room and board, and student fees in five equal monthly installments. The MMPP is intended to cover the costs of fall (August–December) and spring (January–May) terms. The MMPP is not a loan; there are no interest or finance charges. The only cost is a $35 per semester enrollment fee. The fall term program begins Aug. 5, 2012. All payments are due on the fifth of each month.

Payment by a University Approved Third Party Sponsor

Students whose tuition is paid by a university approved third party sponsor must submit their billing authorization to Marquette Central by the payment due date.

Tuition Discounts

Students interested in taking a course on an audit basis must first register for the course for credit, then request a change in enrollment status to audit by informing their appropriate school (Graduate School or Graduate School of Management). Students must notify the Graduate School by submitting the Registration Change Request form found at marquette.edu/grad/forms_index.shtml. Graduate accounting, business administration, economics, executive business or human resources students must notify the Graduate School of Management.

Students must have the proper background and prerequisites for the course in question. Auditors are required to attend all classes and are expected to participate, based on the nature of the course, and/or complete assignments, at the discretion of the instructor. Students who register for an audit course will receive a 50 percent discount on the tuition for that course. This discount is not available to individuals who take the senior citizen discount.

A 50 percent senior citizen discount on tuition (only) is available to individuals 62 years of age and older taking graduate courses for credit and/or audit. This opportunity is offered to students who have the proper background and prerequisites for the course(s) in question. Students using the senior citizen discount are not eligible for the audit discount.
All rates in this bulletin are believed accurate and current when printed. However, Marquette University reserves the right to modify any rate to correct a printing mistake or to respond to any unforeseeable change in circumstances, e.g., energy surcharge, governmental action, etc.

Tuition

Graduate students are assessed at the per credit hour rate based on their academic plan for all registered courses, graduate or undergraduate.

<table>
<thead>
<tr>
<th>Program</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate</td>
<td>$985.00</td>
</tr>
<tr>
<td>Education Graduate students with an academic plan of: CECP, COPS, COUN, CMHC, EDUC, EDPL and EDPS</td>
<td>$735.00</td>
</tr>
<tr>
<td>English as a Second Language courses – Cost per credit hour</td>
<td>$985.00</td>
</tr>
<tr>
<td>Pre-M.S.N. phase for M.S. program for Non-Nursing Graduates 15-month program charged as follows:</td>
<td></td>
</tr>
<tr>
<td>Continuing students (graduating August 2012) billed $9,705 for summer 2012</td>
<td>$9,705.00</td>
</tr>
<tr>
<td>New students (start summer 2012) billed $10,110 summer terms, $15,170 fall/spring terms</td>
<td>$50,560.00</td>
</tr>
</tbody>
</table>

Endodontics, orthodontics, and prosthodontics: flat rate applies (see below).

Endodontics

<table>
<thead>
<tr>
<th>Program</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer term</td>
<td>$7,710.00</td>
</tr>
<tr>
<td>Fall term</td>
<td>$15,420.00</td>
</tr>
<tr>
<td>Spring term</td>
<td>$15,420.00</td>
</tr>
</tbody>
</table>

Orthodontics

<table>
<thead>
<tr>
<th>Program</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer term</td>
<td>$7,545.00</td>
</tr>
<tr>
<td>Fall term</td>
<td>$15,090.00</td>
</tr>
<tr>
<td>Spring term</td>
<td>$15,090.00</td>
</tr>
</tbody>
</table>

Prosthodontics

<table>
<thead>
<tr>
<th>Program</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer term</td>
<td>$6,275.00</td>
</tr>
<tr>
<td>Fall term</td>
<td>$12,550.00</td>
</tr>
<tr>
<td>Spring term</td>
<td>$12,550.00</td>
</tr>
</tbody>
</table>

Continuous Enrollment/Continuation Course Fees

<table>
<thead>
<tr>
<th>Program</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Standing Continuation (less than half-time, LHT) = 9970</td>
<td>$100.00</td>
</tr>
<tr>
<td>Graduate Fellowship (full-time, FT) = 9974</td>
<td>$100.00</td>
</tr>
<tr>
<td>Graduate Assistant Teaching (full-time, FT) = 9975</td>
<td>$100.00</td>
</tr>
<tr>
<td>Graduate Assistant Research (full-time, FT) = 9976</td>
<td>$100.00</td>
</tr>
<tr>
<td>Master’s Comprehensive Exam Preparation (less than half-time, LHT) 9984</td>
<td>$100.00</td>
</tr>
<tr>
<td>Master’s Comprehensive Exam Preparation (half-time, HT) = 9985</td>
<td>$100.00</td>
</tr>
<tr>
<td>Doctoral Comprehensive Exam Preparation (full-time, FT) = 9986</td>
<td>$100.00</td>
</tr>
<tr>
<td>Doctoral Comprehensive Exam Preparation (less than half-time, LHT) 9987</td>
<td>$100.00</td>
</tr>
<tr>
<td>Doctoral Comprehensive Exam Preparation (half-time, HT) = 9988</td>
<td>$100.00</td>
</tr>
<tr>
<td>Field Placement Continuation (less than half-time, LHT) = 9977</td>
<td>$100.00</td>
</tr>
<tr>
<td>Field Placement Continuation (half-time, HT) = 9978</td>
<td>$100.00</td>
</tr>
<tr>
<td>Field Placement Continuation (full-time, FT) = 9979</td>
<td>$100.00</td>
</tr>
<tr>
<td>Professional Project Continuation (less than half-time, LHT) = 9991</td>
<td>$100.00</td>
</tr>
</tbody>
</table>
Professional Project Continuation (half-time, HT) = 9992 $100.00
Professional Project Continuation (full-time, FT) = 9993 $100.00
Master’s Thesis Continuation (less than half-time, LHT) = 9994 $100.00
Master’s Thesis Continuation (half-time, HT) = 9995 $100.00
Master’s Thesis Continuation (full-time, FT) = 9996 $100.00
Doctoral Dissertation Continuation (less than half-time, LHT) = 9997 $100.00
Doctoral Dissertation Continuation (half-time, HT) = 9998 $100.00
Doctoral Dissertation Continuation (full-time, FT) = 9999 $100.00

Service Fees

<table>
<thead>
<tr>
<th>Program</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Fee</td>
<td>$50.00</td>
</tr>
<tr>
<td>Block Removal Fee</td>
<td>$100.00</td>
</tr>
<tr>
<td>Diploma Fee, Replacement</td>
<td>$25.00</td>
</tr>
<tr>
<td>Doctoral Dissertation Publication Fee (Traditional)</td>
<td>$75.00</td>
</tr>
<tr>
<td>Doctoral Dissertation Publication Fee (Open Access)</td>
<td>$170.00</td>
</tr>
<tr>
<td>Examination, Comprehensive, for each attempt beyond the first</td>
<td>$15.00</td>
</tr>
<tr>
<td>Examination, Marquette Foreign Language Test, for each attempt</td>
<td>$100.00</td>
</tr>
<tr>
<td>Examination, Special or Delayed</td>
<td>$25.00</td>
</tr>
<tr>
<td>Master’s Thesis Publication Fee (Traditional)</td>
<td>$65.00</td>
</tr>
<tr>
<td>Master’s Thesis Publication Fee (Open Access)</td>
<td>$160.00</td>
</tr>
<tr>
<td>Readmission Fee</td>
<td>$100.00</td>
</tr>
<tr>
<td>Transcript Fee</td>
<td>$5.00</td>
</tr>
<tr>
<td>Transcript and Enrollment Verification Fee, Rush Processing</td>
<td>$10.00</td>
</tr>
</tbody>
</table>

Nursing Fees

<table>
<thead>
<tr>
<th>Program</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiopulmonary Resuscitation (CPR) Certification. (This certification must be maintained throughout the student’s program through biannual recertification.)</td>
<td>$50.00</td>
</tr>
<tr>
<td>Health requirements and criminal background check initial fee (approximate fee). $40 each subsequent year (approximate fee). Visit certifiedbackground.com for more information.</td>
<td>$75.00</td>
</tr>
<tr>
<td>Assessment Tests, predictor examination, and NCLEX review course for the M.S.N. program for Non-Nursing Graduates. (Approximate fee. Exact amount based upon vendor costs in effect at time of registration.)</td>
<td>$350.00</td>
</tr>
<tr>
<td>Uniforms for the M.S.N. program for Non-Nursing Graduates. (Approx.$300.00 fee. Must be purchased through a private vendor. Vendor list available from the College of Nursing.)</td>
<td>$300.00</td>
</tr>
<tr>
<td>Assessment Equipment for the M.S.N. program for Non-Nursing Graduates. (Stethoscope $70. Sphygmomanometer $60. Approx. fee. Exact amt. based upon vendor costs in effect at time of registration. Must be purchased through a private vendor.)</td>
<td>$175.00</td>
</tr>
</tbody>
</table>

Housing

The Office of University Apartments and Off-campus Student Services exists to assist current and prospective Marquette students in their search for apartment housing on and around the Marquette campus. Our office provides a comprehensive, searchable website to help you locate appropriate housing around the Marquette campus. This website is the primary resource students use to find housing in the near-Marquette neighborhood. In order to be listed on our site, a property must be located within the Department of Public Safety patrol area. The site not only lists a majority of the properties located in the immediate Marquette neighborhood, but it also offers useful information on safety, budgeting, and campus and community resources. You may access our website at marquette.edu/offcampus. UAOSS is located at 1500 W. Wells Street and is open Monday through Friday from 8:00 a.m. to 4:30 p.m.
Meal Plans
Meal plans are available for purchase through the Office of Residence Life, and are automatically renewed for the second term unless cancelled through the office. Prices are per term.

<table>
<thead>
<tr>
<th>Program</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anytime Dining Plan</td>
<td>$1,860</td>
</tr>
<tr>
<td>Loyalty 50 (off-campus/commuter students only)</td>
<td>$360</td>
</tr>
</tbody>
</table>

Refunds and Adjustments
Students who have prepaid charges but do not register for classes will be given a full refund, less applicable non-refundable deposits. Students who register for classes and subsequently change their course load through either a partial withdrawal from courses or a complete withdrawal from the university will have adjustments made to their student accounts. Students assume responsibility for the consequences that ensue as a result of any withdrawal grade. These consequences include, but are not limited to: a delay in graduation, dismissal from degree program, external/entities viewing these grades as failing grades, loss of eligibility for certain scholarships and/or financial aid, loss of full-time status and/or loss of a refund. See this bulletin for a full description of withdrawal procedures.

After the first class, laboratory and special course fees are non-refundable. Tuition deposits are non-refundable but are applied toward first term tuition charges.

Refunds for tuition and board will be given based on the following schedules:

<table>
<thead>
<tr>
<th>Tuition Refund and Adjustment Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Refund</strong></td>
</tr>
<tr>
<td>100%</td>
</tr>
<tr>
<td>80%</td>
</tr>
<tr>
<td>60%</td>
</tr>
<tr>
<td>40%</td>
</tr>
<tr>
<td>20%</td>
</tr>
<tr>
<td>No Refund</td>
</tr>
</tbody>
</table>

**Note:** Graduate students who enroll in, and pay for, thesis or dissertation credits before actually beginning work on their projects will not be entitled to a refund of tuition for these credits if, for any reason, they do not complete their programs.

Board — Pro-rated; number of full weeks remaining in term as a percent of 16 weeks.
Programs and Courses of the Graduate School

The Programs web pages describe the graduate degree programs offered at Marquette University. Prospective students are reminded to also read the other sections of this bulletin for general information on Graduate School admission requirements, academic regulations and academic programs.
Biological Sciences (BSCI)

Chairperson: Robert H. Fitts, Ph.D.
marquette.edu/biology

Degrees Offered
Master of Science, Plan A only; Doctor of Philosophy

Specializations

Master’s: Cell Biology, Developmental Biology, Ecology, Epithelial Physiology, Genetics, Microbiology, Molecular Biology, Muscle and Nerve Physiology

Doctoral: Cell Biology, Developmental Biology, Ecology, Epithelial Physiology, Genetics, Microbiology, Molecular Biology, Muscle and Nerve Physiology, Neuroscience

Program Description
The biological sciences graduate program aspires to train experimental scientists capable of teaching and directing independent research by providing a broad theoretical background and an appreciation for the rigor of the scientific method. Students are prepared for employment in faculty positions and research posts in academia and industry.

The department offers two areas of graduate study: biological sciences and neurosciences. Both provide students with research experiences using all areas of modern biological techniques to study molecular, cellular, tissue, organ, systems and organism functioning. The biological sciences area has several specializations including: cell and developmental biology, biochemistry and genetics, microbiology and ecology and physiology. The neuroscience area, offered in collaboration with the neuroscience faculty in the Department of Biomedical Sciences, examines the function of the nervous system from molecular and cellular to behavior, and how the system goes wrong during neural disorders. The main areas of research include: the neurobiology of addiction, stress and mental disorders, feeding and ion channels. Both areas of study offer 12-month support (academic and summer stipends), paid tuition credits and provide qualified reimbursement for university provided health insurance. Marquette University works with an outside plan administrator to offer graduate students health insurance.

Prerequisites for Admission
Applicants are expected to have completed a bachelor’s degree in biology or related field. As a general rule, strong preference will be given to applicants to the doctoral program. Only in exceptional circumstances will students be admitted to the master’s program. A master’s degree is not a prerequisite for admittance to the doctoral program.

Application Deadline
No official deadline exists for the master’s or the doctoral programs; however, completed applications will be reviewed starting on Dec. 15. Applications for admission received after this date will be considered as space permits.

Application Requirements
Applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. A statement of professional goals and aspirations.
4. Three letters of recommendation which give evidence of the applicant’s scholarly promise.
5. GRE scores (General Test is required, Subject Test is recommended).
6. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

Biological Sciences Master’s Requirements

The program of course work and research for the master’s degree is determined in consultation with the student’s advisory committee. Each student is advised to take such courses as are properly related to academic background and research interests. All master’s students are required to gain the equivalent of one year of teaching experience during the program.

A master’s student must complete 24 credit hours of course work including at least twelve hours at the graduate level, five credits of research taken in the first two years and three credits of seminar courses. In addition, six credit hours of thesis work are required to graduate. Eighteen of the 24 credit hours must be taken in biological sciences. The student must pass a master’s qualifying examination and submit an approved thesis.
Biological Sciences Doctoral Requirements

The program of course work and research for the doctoral degree is determined in consultation with the student's advisory committee. Each student is advised to take such courses as are properly related to academic background and research interests. All doctoral students are required to gain the equivalent of one year of teaching experience during the program.

A doctoral student must complete a program of study, defined in conjunction with an adviser, on an approved Doctoral Program Planning Form. Advancement to candidacy for the doctoral degree is considered following successful completion of the lecture course work specified in the Doctoral Program Planning Form and after passing the qualifying exam. A typical doctoral student completes a minimum required 24 credit hours of course work, including a minimum of seven 2-3 credit graduate lecture courses (BIOL 8501 Molecular and Cellular Signaling, BIOL 8502 Systems Neuroscience, BIOL 8504 Advanced Survey in Neuroscience and BIOL 8506 Cellular Neurophysiology are mandatory for students in the neuroscience plan), 5 credits of research and 5 one credit seminar courses, in addition to 12 credit hours of dissertation work. The student must submit and defend a dissertation after completing all other formal requirements for the doctoral degree.
Chemistry (CHEM)

Chairperson: Scott A. Reid, Ph.D.
marquette.edu/chem/

Degrees Offered

Master of Science, students are admitted under Plan A (thesis option) but Plan B (non-thesis option) is also offered; Doctor of Philosophy

Specializations


Subspecialty areas of research within the Department of Chemistry include: photochemistry; molecular spectroscopy; organometallic, physical organic, bioorganic, polymer, and theoretical chemistry; and chemical dynamics.

Program Description

The Department of Chemistry offers graduate degree programs for both full- and part-time students. Two plans of study are offered:

1. Plan A: preparation for a career as a professional chemist
2. Plan B: enhancement of scientific background for persons employed as high school science teachers.

The heart of the professional plan is research, conducted in concert with a faculty mentor. The focus of the background plan is enrichment and strengthening of the skills that teachers bring to their students. Plan B, the background plan, is offered only at the master's level.

Prerequisites for Admission

Applicants should have graduated with, or be about to graduate with, a bachelor’s degree from an accredited institution. The minimum prerequisite for any graduate course is one year of undergraduate physical chemistry. In addition, an undergraduate course in an area of study (e.g., analytical, inorganic, organic) appropriate to the graduate course involved is required. A student's undergraduate grade point should be equivalent to a B (3.000) or above.

Application Requirements

Applicants must submit a paper application (applicants may not apply online), directly to the Department of Chemistry:

1. A completed application form.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation from individuals familiar with the applicant's academic work.
4. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.
5. GRE scores are optional, but it is to the applicant's advantage to have taken the Subject Test for chemistry.

General Information

For more detailed and comprehensive information about the master of science and doctoral programs in chemistry, students should consult the most recent edition of the Chemistry Department’s Graduate Student Handbook. This publication defines the current rules and guidelines that govern department and program requirements.

Foreign Language Requirements

Normally, no reading knowledge of a foreign language is required in either the master's or doctoral programs. However, at the discretion of the student's thesis or dissertation committee, proficiency in a foreign language may be required if it is necessary in the student's research.

Proficiency Examinations

Incoming chemistry students must pass three proficiency examinations, which may be selected from among the four traditional areas of chemistry (analytical, inorganic, organic, and physical chemistry). Incoming chemical physics students must pass proficiency examinations in physics, physical chemistry, and one other area of chemistry. These examinations can be repeated up to two times each, and the student must pass three by the end of his/her second term of full-time study or the equivalent.

Chemistry Master's Requirements

A program for the master’s degree is determined by the student’s research adviser in consultation with the student’s thesis committee.

All students are admitted to the program under Plan A but may transfer to Plan B if a Change of Plan form is submitted and approved. In Plan A (research option), the student must complete 24 credit hours of course work and six credit hours of CHEM 6999 Master’s Thesis for
a total of 30 credit hours. Six credit hours of course work may be CHEM 6995 Independent Study in Chemistry. In addition, seminar course work (CHEM 6960 Departmental Seminar) is required for the program but earns no credit. The student must submit a thesis describing a substantial research project completed by the student in a mentor-professor’s laboratory. Public defense of the thesis constitutes a comprehensive examination.

In Plan B (essay option), the student must complete 24 credit hours of course work and six credit hours of CHEM 6999 Master’s Thesis for a total of 30 credit hours. An essay must also be submitted. Up to six credits of course work may be CHEM 6995 Independent Study in Chemistry. In addition, seminar course work (CHEM 6960 Departmental Seminar) is required for the program but earns no credit. The essay will include a review of the literature of some area of chemistry and a proposal of how knowledge in that area might be extended by research. Public defense of the essay constitutes a comprehensive examination.

Chemistry Doctoral Requirements

A program for the doctoral degree is determined by the student’s research adviser in consultation with the student’s dissertation committee.

A doctoral student must complete a program of study defined on an approved Doctoral Program Planning Form. Normally, the student will be required to complete 24 credit hours of course work and 12 credit hours of CHEM 8999 Doctoral Dissertation for a total of 36 post-bachelor’s degree credit hours. An intense program of laboratory instruction and research to begin no later than the second term of study is also required. Six credit hours of course work may be CHEM 6995 Independent Study in Chemistry. In addition, seminar course work (CHEM 6960 Departmental Seminar) is required for the program but earns no credit. A series of cumulative examinations constitutes a qualifying examination. Eight of these examinations are given each year. The student is expected to pass four exams by the end of the fifth semester of doctoral study. The student must submit a dissertation describing a significant body of independent research carried out in concert with a faculty mentor. The dissertation must be of a caliber that would be publishable in the leading scientific journals. A public defense of the dissertation is required.
Clinical Psychology (CLPS)

Chairperson: John H. Grych, Ph.D.
marquette.edu/psyc/

Degree Offered
Doctor of Philosophy

Program Description
The clinical psychology program offers courses and training leading to the degree of doctor of philosophy (Ph.D.) in clinical psychology. Students in the doctoral program acquire a master of science degree as they progress toward their doctoral degree. The doctoral program is accredited by the American Psychological Association (APA). Courses cover scientific areas of psychology, the historical foundations of psychology, research methods and professional practice skills. Supervised clinical experiences are planned throughout the curriculum. Practica are available at the Department of Psychology’s Center for Psychological Services and with collaborating agencies in the Milwaukee urban area.

Prerequisites for Admission
The applicant is expected to show evidence of adequate preparation in psychological and related sciences. The following courses are prerequisites to graduate study in clinical psychology: general psychology, psychological measurements and statistics, experimental psychology (with laboratory), personality theory, abnormal psychology, plus two additional courses chosen from the following: psychology of learning, psychological testing, history and systems of psychology, biopsychology (physiological psychology), social psychology and developmental psychology.

Application Deadline
To be considered for admission, all application requirements must be completed and received in the Graduate School by December 1.

Application Requirements
Applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. A personal statement of 1,000 words or fewer that includes discussion of academic and professional experiences and goals.
4. Three letters of reference from individuals familiar with the applicant’s academic work and/or research experience.
5. Graduate Record Examination (GRE) test scores (General Test).
6. For international applicants only: a TOEFL score or other acceptable proof of English proficiency.

The highest ranking applicants will be invited to an interview.

Clinical Psychology Doctoral Requirements
A doctoral student must complete a program of study defined, in conjunction with the director of clinical training, on an approved Doctoral Program Planning Form. Students obtain a master’s degree while in the doctoral program. The program requires a total of 84 credit hours of course work beyond the baccalaureate degree including: semesterly enrollment in and attendance at a non-credit colloquium (PSYC 8952 Colloquium in Psychology), 6 credit hours of master’s thesis work, completion of an approved master’s thesis, successful completion of a doctoral qualifying examination (DQE), 12 credit hours of dissertation work, submission of an approved dissertation and an approved internship.

Required courses are:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>PSYC 8401</td>
<td>Abnormal Psychology</td>
</tr>
<tr>
<td>PSYC 8511</td>
<td>History and Theoretical Foundations of Psychology</td>
</tr>
<tr>
<td>PSYC 8525</td>
<td>Advanced Personality Psychology</td>
</tr>
<tr>
<td>PSYC 8630</td>
<td>Advanced Developmental Psychology</td>
</tr>
<tr>
<td>PSYC 8660</td>
<td>Advanced Social Psychology</td>
</tr>
<tr>
<td>PSYC 8740</td>
<td>Foundations and Processes of Human Cognition</td>
</tr>
<tr>
<td>PSYC 8780</td>
<td>Biological Bases of Behavior</td>
</tr>
</tbody>
</table>

21 credit hours in substantive core courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 8301</td>
<td>Psychological Assessment 1</td>
</tr>
<tr>
<td>PSYC 8302</td>
<td>Psychological Assessment 2</td>
</tr>
</tbody>
</table>

6 credit hours in assessment
12 credit hours in intervention
- PSYC 8321 Clinical Interviewing
- PSYC 8322 Theories of Psychotherapy 1
- PSYC 8332 Theories of Psychotherapy 2

elective
6 credit hours in practice core courses
- PSYC 8665 Advanced Practicum in Clinical Psychology

3 credits of consultation/ supervision
- PSYC 8360 Consultation and Supervision Strategies

6 credit hours in professional practice
- PSYC 8201 Ethics and Professional Issues in Clinical Psychology
- PSYC 8202 Multicultural Issues in Clinical Psychology

9 credit hours in research core courses
- PSYC 8101 Advanced Statistics and Design 1
- PSYC 8102 Advanced Statistics and Design 2
- PSYC 8125 Advanced Research Methods

6 credit hours of master’s thesis work
- PSYC 6999 Master’s Thesis

12 credit hours of dissertation work
- PSYC 8999 Doctoral Dissertation

3 credit hours of graduate-level electives
- PSYC 8511 History and Theoretical Foundations of Psychology
- PSYC 8525 Advanced Personality Psychology
- PSYC 8630 Advanced Developmental Psychology
- PSYC 8660 Advanced Social Psychology
- PSYC 8740 Foundations and Processes of Human Cognition
- PSYC 8780 Biological Bases of Behavior

6 credit hours of master’s thesis work
- PSYC 6999 Master’s Thesis

The student is required to complete a satisfactory master’s thesis and pass an oral defense. The defense is overseen by a committee of three department faculty and the defense constitutes the master’s comprehensive exam. Students who successfully defend their master’s thesis and who have completed at least 36 credit hours of study are awarded the master’s degree. Students must successfully complete the DQE to be advanced to doctoral candidacy.

Requirements to earn the master of science degree on the way to earning the doctoral degree total 42 credit hours:

30 credit hours of required course work
- PSYC 8101 Advanced Statistics and Design 1
- PSYC 8102 Advanced Statistics and Design 2
- PSYC 8201 Ethics and Professional Issues in Clinical Psychology
- PSYC 8202 Multicultural Issues in Clinical Psychology
- PSYC 8301 Psychological Assessment 1
- PSYC 8302 Psychological Assessment 2
- PSYC 8321 Clinical Interviewing
- PSYC 8322 Theories of Psychotherapy 1
- PSYC 8332 Theories of Psychotherapy 2
- PSYC 8401 Abnormal Psychology

6 credit hours of electives
- PSYC 8511 History and Theoretical Foundations of Psychology
- PSYC 8525 Advanced Personality Psychology
- PSYC 8630 Advanced Developmental Psychology
- PSYC 8660 Advanced Social Psychology
- PSYC 8740 Foundations and Processes of Human Cognition
- PSYC 8780 Biological Bases of Behavior

6 credit hours of master’s thesis work
- PSYC 6999 Master’s Thesis

a completed master’s thesis

public defense of the thesis

Total Credit Hours
42

The doctoral student must complete an internship approved by the Psychology Department. Before the student is permitted to apply for internship, personal and professional readiness must be verified. Readiness is evaluated by both a review of the student’s graduate study portfolio and a “clinical exam,” which entails an oral examination of necessary clinical skills. Permission will be granted only to students whose proposal has been approved.

A public defense of the dissertation will be conducted only after the student has completed all other formal requirements for the doctoral degree, with the possible exception of the internship. To conduct research projects, permission from the university Institutional Review Board must be obtained.
Clinical and Translational Rehabilitation Health Science (CTRH)

Program Director: Paula E. Papanek, Ph.D.
marquette.edu/chs/pt/rehabsciencems.shtml or http://www.marquette.edu/physical-therapy/inprptexc.shtml

Degrees Offered
Master of Science; Doctor of Philosophy

Learning Outcomes
The clinical and translational rehabilitation health science master’s and doctoral programs build on the knowledge and skills of a licensed post-baccalaureate trained clinician, and demands a progressive demonstration or advanced knowledge and skills related to research, teaching and professional development. The program develops research skills that will translate to clinically relevant questions.

Graduates of the master’s degree in clinical and translational rehabilitation health science will:
1. Contribute to an original research project.
2. Demonstrate mastery of concepts in clinical and translational rehabilitation science.
3. Communicate and summarize research findings to various groups including colleagues and lay public.
4. Apply codes, guidelines and professional standards for conducting clinical and translational research.
5. Demonstrate the ability to participate on a multidisciplinary team to solve clinical and translational rehabilitation science problems.

Graduates of the doctoral degree in clinical and translational rehabilitation health science will:
1. Demonstrate an in-depth mastery of advanced concepts in clinical and translational rehabilitation science.
2. Use effective teaching methods to provide instruction to undergraduate and graduate students.
3. Communicate clinical and translational research findings and translate findings effectively to different groups of individuals including colleagues, students, the lay public and the media.
4. Demonstrate independent scientific thinking.
5. Apply codes, guidelines and professional standards for conducting clinical and translational research.
6. Demonstrate the ability to design and execute an original research project (doctorate degree) including formulating a testable hypothesis, systematic review of literature, obtaining IRB animal ethical approvals, analyze, interpret and summarize results in clinical and translational rehabilitation research.
7. Build and lead an interdisciplinary team that matches research objectives.
8. Demonstrate responsible conduct in research.

Program Descriptions

Master of Science
The master of science degree in clinical and translational rehabilitation health science is open to those with a related science major interested in strengthening their core undergraduate major with advanced course work in research and rehabilitation science.

A master’s degree may strengthen a pre-professional student’s application for entry into physical therapy, physician assistant studies, occupational therapy or medical school. A student may choose from three areas of emphasis for their degree: community wellness, sports medicine, including biomechanics, or performance enhancement. Both thesis (Plan A) and non-thesis (Plan B) options are available.

Doctor of Philosophy
The doctor of philosophy in clinical and translational rehabilitation health science builds upon the core competencies of clinical degrees (anatomy, physiology, pharmacology, medical ethics and patient care) with course work in rehabilitation systems physiology, applied neurophysiology, statistics, molecular genetics and research methodology. Students gain extensive research experience in the exercise, rehabilitation and movement disorders research cores housed within the exercise science program and the Department of Physical Therapy. Research includes the use of EMG, motion analysis, biomechanics, isokinetic dynamometry, fMRI, body composition, bone mineral density, diagnostic ultrasound and acute and chronic exercise training to explore mechanisms of dysfunction and develop theories for restoring function in people with movement disorders. Movement disorders cross age, gender and all ethnic boundaries and include populations with multiple sclerosis, post-traumatic stress disorder, traumatic brain injury, stroke, cancer survivors, pediatric obesity, cardiovascular diseases and chronic pain syndromes.

The Clinical and Translational Science Institute of Southeastern Wisconsin is a major partner with Marquette’s clinical and translational rehabilitation health science program. Marquette’s participation in this consortium expands opportunities for academic, medical and clinical research within Milwaukee. CTSI partner institutions include the Medical College of Wisconsin, University of Wisconsin-Milwaukee, the Milwaukee School of Engineering, the Zablocki V.A. Medical Center, Children’s Hospital of Wisconsin and Blood Center of Wisconsin.
Prerequisites for Admission

Master of Science Students

All master’s applicants will need greater than a 3.000 GPA in their undergraduate work. Current Marquette exercise physiology and athletic training degree students with a 3.000 GPA or better may apply for the accelerated degree program during their junior year for admission into the master’s program for their senior year.

Doctoral Students

Students must have successfully completed either a master’s degree in a related discipline or a post-baccalaureate degree in a clinical profession (physician assistant studies, physical therapy, doctor of medicine, nursing, speech-language pathology, etc.) with a minimum cumulative GPA of 3.000 (based on a 4.000 scale) and after acceptance into the Graduate School.

Application Deadline

Master’s applications should be submitted by Jan 1 and doctoral applications by Feb 15 of the year students wish to begin study. Students typically begin their studies in the fall of each academic year. To maximize potential for acceptance, admissions is done on a rolling basis until positions are filled.

Application Requirements

Applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. A curriculum vitae including work history, formal education, continuing education, licensing and certification, professional organizations, honors and awards, publications, presentations and grants.
4. A personal statement of no more than 500 words addressing your purpose for applying to the program, your ability to successfully complete the program and your goals (short and long term).
5. Three letters of recommendation addressing the applicant’s academic, professional, clinical, personal attributes and potential for meaningful graduate study. At least one academic reference must be included.
6. GRE scores. Required for master’s applicants who are not part of the Marquette ADP program; required for doctoral applicants if their graduate/post-baccalaureate clinical degree was done at a non-U.S. institution or if their graduate/post-baccalaureate clinical degree GPA is less than 3.000. Waived for current Marquette applicants with GPA above 3.000 to the ADP.
7. (For international applicants only) a minimum acceptable score on the iBT TOEFL exam of 90 overall, with minimum section scores of 25 for listening and speaking, and minimum scores of 20 for reading and writing, or other acceptable proof of English proficiency.

Applicants may wish to submit one example of written work, such as a class project, course assignment, first author publication, grant application, etc. (optional).

An interview with the admission committee is mandatory.

General Information

Students applying to the doctoral program must have successfully completed either a master’s degree in a related discipline or a post-baccalaureate clinical degree (D.P.T., M.P.T., M.P.A., M.S.N., M.D., etc.) with a minimum cumulative GPA of 3.000 (based on a 4.000 scale). Applicants to the master’s program will likely need a significantly higher undergraduate GPA than 3.000 in order to be competitive.

The GRE (if applicable) must have been completed within the previous six years, and official scores must be sent to Marquette University directly from Educational Testing Service.

Accelerated Degree Program

The accelerated degree program is designed for undergraduate students in exercise physiology or athletic training at Marquette University who wish to complete both their undergraduate degree as well as the master of science degree in clinical and translational health science in just five years.

Students with a GPA of 3.000 or above may apply for admission to the five-year program during their junior year. Students must submit an application to the Graduate School, indicate their interest in the five-year program, and meet all other admission criteria as stated in the Application Requirements section.

Academic Standards

A cumulative GPA of 3.000 will be required in the clinical and translational rehabilitation health science program. The Academic Regulations section of this bulletin describes the criteria and procedures for academic warnings, probation, removal of probation, and dismissal. The clinical and translational rehabilitation health science program will strictly follow these policies and procedures.
Clinical and Translational Rehabilitation Health Science Master’s Requirements

The program of course work and research for the master’s degree is determined in consultation with the student’s advisory committee. Each student is advised to take such courses as are properly related to academic background and research interests. Students may choose a thesis (Plan A) or non-thesis (Plan B) option.

Clinical and Translational Rehabilitation Health Science Doctoral Requirements

The program of course work and research for the doctoral degree is determined in consultation with the student’s advisory committee. Each student is advised to take such courses as are properly related to academic background and research interests. A doctoral student must complete a program of study defined, in conjunction with an adviser, on an approved Doctoral Program Planning Form.

During the admission process, a total of 24 credits may be recognized and may be from the basic science foundation upon which the doctoral degree is built. Graduate course work will be selected from topics such as advanced anatomy, physiology, microbiology, genetics, and pharmacology. Selected courses will be documented on the Doctoral Program Planning Form which must be submitted by the end of the first semester.

In addition to the course work completed prior to enrollment in the doctoral program, students may choose to complete graduate course work at partnering CTSI institutions. Once the mentor has been selected, advanced graduate electives may be chosen from any of the CTSI partner institutions (MSOE, MCW, UWM). See the Departmental Graduate Handbook for specific requirements.

Advancement to candidacy for the doctoral degree is considered following successful completion of all requirements specified on the Doctoral Program Planning Form and after passing a doctoral qualifying examination. A typical doctoral student completes a minimum required 23 credit hours of core course work, 11 credit hours in advanced electives (minimum of 3 courses), plus six courses (0 credits) of departmental seminar which would expand the student’s knowledge in research theory, statistical analysis, basic biomechanics, kinesiology principles and ethical decision making as well as exposure to research opportunities within the program. In addition, doctoral candidates will complete 12 credit hours of dissertation work. The student must submit and defend a dissertation after completing all other formal requirements for the doctoral degree.
Communication (COMM)

Associate Dean for Graduate Studies and Research: Erik F. Ugland, Ph.D.
marquette.edu/comm/grad/index.shtml

Degrees Offered
Master of Arts; Certificate

Specializations
Master’s: Advertising and Public Relations; Communication Studies; Journalism; Mass Communication; Communication about Health Environment, Science and Sustainability
Certificate: Digital Storytelling

Program Description
The J. William and Mary Diederich College of Communication graduate program prepares students for intellectual, artistic, professional and ethical leadership in a complex technological and multicultural world. It uses a core of common knowledge, values, and communication skills to improve understanding of communication as a cultural and social process and to develop the skills necessary for success in constantly changing information environments. Graduate students are partners in the production of knowledge and are actively involved in systematic research and professional development, which enables them to develop a mastery of the intellectual and professional content of the discipline. All students complete a core curriculum and develop a specialization in areas such as: advertising and public relations; communication studies; journalism; mass communication; and communication about health, environment, science and sustainability.

The program offers an interdisciplinary bridge between courses in a variety of areas and individual interests and goals. For example, students might wish to develop an emphasis in such areas as health communication, visual communication, or global communication. Faculty advisers assist students in course planning and approve the final programs of study, which are tailored to meet individual needs. Advisers help students develop programs that can include courses from other programs, such as business, marketing, English, psychology, sociology, political science and others.

The program can be tailored for students who have undergraduate training in their field of choice, who are working as practitioners, as well as those who wish to teach or conduct research.

The program prepares students to work in a variety of settings from education to industry. Students study and work in an urban laboratory with a wide array of advertising and public relations agencies, communications consulting firms, television stations, radio stations, and one of the world’s most respected newspapers. Marquette alumni work in many of these organizations and they routinely seek out Marquette graduate students for internship and employment opportunities.

The core courses broaden knowledge about current communication theory and professional and research practices. Other courses examine social issues, help prepare students for industry leadership, and sharpen the students’ professional skills.

Upon the completion of the master of arts degree program in communication, graduates will be able to:

1. Apply research-based, theory-informed knowledge to the identification and solution of real-life issues in the field.
2. Apply ethical decision-making skills in a variety of communication situations.
3. Integrate knowledge from the discipline of communication with the chosen specialization area.

Prerequisites for Admission
For all master of arts and certificate programs in communication, the applicant should have graduated with, or be about to graduate with, a bachelor’s degree from an accredited institution and must have an undergraduate grade point average equivalent of at least a 3.000 on a 4.000 scale. Master of arts applicants without sufficient academic or professional background will be required to take some undergraduate courses with no graduate credit to satisfy deficiencies.

Application Requirements
Applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation, specifically in letter format.
4. A brief statement of academic and professional goals.
5. (For M.A. applicants only) GRE scores (General Test only). Minimum GRE scores are as follows: verbal 150, quantitative 150, total score 306, and analytical writing 4.5.
6. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency. A minimum score of 600 on the paper-based version, 250 on the computer-based version, or 100 on the Internet-based version is required.

General Information
All papers and oral presentations produced by students in all classes are expected to conform to professional standards of lucidity, coherence, grammar and syntax. All instructors in all classes in communication will consider the factors listed above, as well as substance, in grading written and oral presentations. Integrity is essential to any communication professional and is expected of students in communication. The worst offenses are plagiarism, unapproved collaboration, or falsifying work in whole or in part.

Joint Program of Study
M.A. in Communication and in Political Science or International Affairs
The J. William and Mary Diederich College of Communication, in conjunction with the Department of Political Science, offers a program of joint study leading to a master of arts degree in communication and a master of arts degree in political science or international affairs. Joint degree students are able to complete both degree programs in less time than if both degrees were pursued separately.

Students seeking admission into the joint degree program must submit to the Graduate School separate applications for admission to both programs, including two sets of required documentation, and must meet the admission requirements of each program. Acceptance into one program does not guarantee acceptance into the other. If a student is accepted into one program and not the other, the student can still choose to accept the admission offer from the first program but would not be considered a joint degree student. Because students are officially admitted into only one Marquette University graduate program at a time, applicants must indicate which program they intend to pursue and complete first, although once accepted for admission to both programs, students may take courses from both departments. Upon completion of the first program, the student will be officially admitted to the second program for completion of the remainder of the joint program.

Joint degree students count 9 credits of course work in each program toward the required course work credits of the other program. Thus, 9 of the 30 credits required for the thesis program, or 9 of the 36 credits required for the non-thesis program for the master of arts degree in communication will come from POSC courses, and 9 of the 30 credits required for the master of arts degree in political science or international affairs will come from COMM courses.

Communication Master’s Requirements
Thesis Program (Plan A)
Students must complete 24 credit hours of course work and 6 credit hours of thesis work (a total of 30 credit hours), and submit an approved thesis. Students are required to give an oral defense of their thesis.

Non-Thesis Program (Plan B)
All students are admitted to the program in Plan A (thesis) but may transfer to Plan B (non-thesis) with approval of the program.

Non-thesis program students must complete 36 credit hours of course work and pass a comprehensive examination. A professional project of 3 credit hours (COMM 6998 Professional Project in Communication) can fulfill 3 of the 21 non-core credit hours of course work.

Non-thesis program students are required to pass a comprehensive examination which tests their abilities to integrate theory and research methods in subject areas within their specialization. The exam normally is taken during the student’s final term.

Required Core Courses
All Plan A and Plan B students are required to take the following college core courses (15 credit hours total) in addition to those required for their areas of specialization, outlined in Program Details, below.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 6010</td>
<td>Humanistic Theories and Methods in Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 6020</td>
<td>Social Science Theories and Methods in Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 6250</td>
<td>Ethics in Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 6100</td>
<td>Qualitative Research Methods in Communication</td>
<td>3</td>
</tr>
<tr>
<td>or COMM 6150</td>
<td>Quantitative Research Methods in Communication</td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>(6000-level)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 15

Program Details
Upon admission to the graduate program, students are assigned faculty advisers to work with throughout their time at Marquette. Students work with their advisers to select courses that will meet their needs. Students must earn a grade point average of at least 3.000 with no grades below a C.
The specializations are described below along with any required course work.

**Advertising and Public Relations**

Advertising and public relations is designed for those who wish to learn theory, research and professional skills needed to succeed in the new world of marketing communications. Students are required to take three of the following courses:

- **ADPR 6400** Advertising and Public Relations Management 3
- **ADPR 6500** Advertising and Public Relations in Society 3
- **ADPR 6600** Integrated Marketing Communication Campaigns 3
- **ADPR 6931** Topics in Advertising and Public Relations 3

ADPR 6931 Topics in Advertising and Public Relations may be counted twice toward this requirement as long as the topics vary.

**Communication Studies**

Communication studies is designed for those interested in applying theory and research in the analysis of a variety of messages from diverse sources including organizations, families, media and political leaders, enabling graduates to work in a variety of careers from education to industry. Students must complete at least three of the following:

- **COMM 6200** Rhetorical Criticism 3
- **COMM 6400** Intercultural Communication 3
- **COMM 6450** Theories of Persuasion 3
- **CMST 6100** Interpersonal Communication 3
- **CMST 6200** Organizational Communication 3

**Journalism**

The journalism specialization is designed to provide students with the theory, research and professional skills needed for the many varieties and media to succeed in a variety of professional contexts of journalism in the information age. Students with Plan A (thesis) emphasis complete a Plan of Study with the help of their adviser to specify course selections in the specialization. Students with Plan B (non-thesis) emphasis must complete:

- **JOUR 6800** Processes and Strategies in Public Affairs Reporting 3
- **JOUR 6850** Specialized Reporting 3
- **COMM 6964** Proseminar and Practicum in Digital Journalism 3

Recommended electives are:

- **COMM 6500** Media Law * 3
- **COMM 6550** Communication History 3
- **COMM 6600** Media Economics and Management 3
- **COMM 6650** Sociology of Communication 3
- **COMM 6750** Media and the Information Society 3

* Preferred

**Mass Communication**

This interdisciplinary specialization is designed to provide students with both the theoretical background to understand mass communication phenomena and the specialized knowledge and skills necessary for professional work in a variety of mass communication fields.

For students who want to tailor their program to meet their individual needs, the mass communication specialization allows maximum flexibility. Students work with an adviser to design their program, which may include diverse areas such as global studies, visual communication, and media effects.

**Communication about Health, Environment, Science and Sustainability**

This interdisciplinary specialization provides students with the theory, research and fundamental professional knowledge needed to (1) understand the processes, roles and effects of communicating about health, environment, science, and sustainability interpersonally, in organizations and in society, and (2) apply this understanding to the task of communicating technical, specialized information to a variety of audiences, especially non-expert, lay audiences.

Students following the Plan A master’s thesis program must complete the required core courses (15 credits) along with the following courses, for a total of 30 credits:
Students following the Plan B non-thesis program must complete the required core courses (15 credits) along with the following courses, for a total of 36 credits:

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOUR 5330</td>
<td>Health, Science, and Environmental Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 6998</td>
<td>Professional Project in Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 6931</td>
<td>Topics in Communication</td>
<td>3</td>
</tr>
<tr>
<td>or CMST 5500</td>
<td>Health Communication</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

The all-course option (no thesis or professional project) is not available in this specialization.

**Digital Storytelling Certificate**

The J. William and Mary Diederich College of Communication also offers a 15 credit hour, non-degree graduate certificate in digital storytelling. The certificate is for those who want to understand the theoretical foundation of storytelling, apply it to the various disciplines in communication, and learn the applied skills in multimedia technology that enable them to be competitive in the converged job market. Students who complete the certificate learn different types of storytelling, such as informational, persuasive, and historical, and different forms of storytelling, such as public affairs journalism, fundraising, advertising, public relations, entertainment, as well as family stories. Students also learn different means for doing storytelling through documentaries, blogs, websites, print media, etc. The certificate can stand alone or can be applied toward the master’s degree in communication for students admitted to the degree program.

**Certificate Requirements**

The certificate in digital storytelling requires the completion of three required courses (9 credits) and two elective courses (6 credits) for a total of 15 credits. One of the required courses is a capstone. Students should consult their adviser or the associate dean for graduate studies and research when deciding upon electives.

**Required Courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 6850</td>
<td>The Craft of Digital Storytelling</td>
<td>3</td>
</tr>
<tr>
<td>COMM 6900</td>
<td>Storytelling in Public Life</td>
<td>3</td>
</tr>
<tr>
<td>COMM 6997</td>
<td>Capstone in Digital Storytelling</td>
<td>3</td>
</tr>
</tbody>
</table>

**Elective Courses:** Students select two additional courses (6 credits) in consultation with their adviser and/or the associate dean for graduate studies and research.
Counselor Education and Counseling Psychology (CECP)

Chairperson: Alan W. Burkard, Ph.D.
marquette.edu/education/grad/cecp.shtml

Degrees Offered
Master of Arts; Master of Science; Doctor of Philosophy

Program Overview
The Department of Counselor Education and Counseling Psychology offers master of arts degree programs in counseling and in educational psychology (moratorium on admissions for educational psychology), a master of science degree program in clinical mental health counseling and a doctoral degree program in counseling psychology.

Prerequisites for Admission
Applicants to all graduate programs in the Department of Counselor Education and Counseling Psychology should have graduated with, or be about to graduate with, a bachelor’s or a master’s degree from an accredited institution appropriate to their chosen field of graduate study. Students applying to a doctoral program without a master’s degree must complete prerequisite master’s courses as part of their doctoral program requirements.

The following courses are prerequisite courses for graduate study for all programs in the Department of Counselor Education and Counseling Psychology: introduction to psychology, introduction to statistics, research methods in behavioral sciences, abnormal psychology, human development, multicultural/diversity, in addition to experience in human service (field work, or service learning, or volunteer or employment).

Applicants not meeting all prerequisites may still be considered for admission, but should contact the department to discuss alternate plans for meeting the requirements prior to starting the program.

Application Deadlines
Students are admitted to the department in the spring term to begin their programs the following fall. To be considered for admission, all application requirements must be completed and received in the Graduate School by the deadlines listed below:

Dec. 1 - For admission to the doctoral program in counseling psychology.
Feb. 1 - For admission to the master’s programs in clinical mental health counseling and in counseling.

Application Requirements
Applicants, regardless of program, must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation along with recommendation forms.
4. A statement of purpose. (See department website (http://www.marquette.edu/education/grad/cecp.shtml) for instruction.)
5. A resume/vita.
6. GRE scores (General Test only).
7. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

See department website at marquette.edu/education/grad/cecp.shtml for more details.

After all applications are reviewed, the highest ranking applicants will be contacted for an interview with the faculty. This is required for admission. International applicants residing in foreign countries and applicants with extenuating circumstances may conduct their interviews over the phone.
Clinical Mental Health Counseling (CMHC)

Chairperson: Alan W. Burkard, Ph.D.
marquette.edu/education/grad/index.shtml

Degree Offered
Master of Science

Specializations
Addiction Counseling, Child and Adolescent Counseling

Program Description
Our master of science in clinical mental health counseling is dedicated to training professional counselors in evidence-based and emerging best practices and prepares students to practice as a professional counselor. The program emphasizes treatment for addiction and co-existing disorders. Course work focuses on human development, psychopathology, assessment, theories of counseling, consultation, crisis and disaster response, ethical and legal issues, multicultural issues and counseling research, as well as individual, group, family and counseling interventions. Field experiences, small group experiences and practicum and internship are required and lead to the development of science-practice integration in all of our graduates. All students in the master of science in clinical mental health counseling are enrolled in either the addiction counseling specialization or the child and adolescent counseling specialization.

Clinical Mental Health Counseling Master's Requirements
The master of science degree program in clinical mental health counseling, specializing in either addiction counseling or in child and adolescent counseling, requires 60 credit hours and successful completion of a comprehensive examination. The following courses are required:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COUN 6003</td>
<td>Foundations of Clinical Mental Health Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6010</td>
<td>Professional Ethics and Legal Issues</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6020</td>
<td>Life-Span Human Development</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6030</td>
<td>Theories of Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6040</td>
<td>Multicultural Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6051</td>
<td>Introduction to Research Methods in Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6060</td>
<td>Psychopathology</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6070</td>
<td>Assessment in Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6080</td>
<td>Career Development and Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6120</td>
<td>Group Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6931</td>
<td>Topics in Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6965</td>
<td>Counseling Practicum</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6986</td>
<td>Internship in Counseling (completed over multiple terms)</td>
<td>9</td>
</tr>
</tbody>
</table>

Required specialization courses listed below: 15

Total Credit Hours: 60

As part of their course work and within their specialization, students must also complete field experiences, practicum and an internship in an approved clinical setting. More detailed requirements can be obtained from the department office. The master of science degree can be completed under Plan A, which requires a thesis, or Plan B, which does not require a thesis.

Addiction Counseling
The specialization in addiction counseling provides students with additional training concentrated on clinical services to clients experiencing difficulties with addictions and co-occurring disorders. In addition to the core requirements for the clinical mental health counseling program, students are required to take the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COUN 6002</td>
<td>Introduction to Addiction-Mental Health Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6400</td>
<td>Leadership and Administration of Mental Health Services</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives: 9

Total Credit Hours: 15

Child and Adolescent Counseling
The specialization in child and adolescent counseling provides students with training concentrated on the provisions of clinical services to children, adolescents and their families. In addition to the core requirements for the clinical mental health counseling program, students are required to take the following courses:
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COUN 6300</td>
<td>Counseling with Children and Adolescents</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6130</td>
<td>Introduction to Family Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6400</td>
<td>Leadership and Administration of Mental Health Services</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>
Counseling (COUN)

Chairperson: Alan W. Burkard, Ph.D.
marquette.edu/education/grad/cecp_masters_counseling.shtml

Degree Offered
Master of Arts

Specializations
Community Counseling, School Counseling

Program Description
Our master of arts in counseling program includes a variety of courses, practica, internship and other training experiences which offer comprehensive preparation for professional practice as a counselor. Course work focuses on human development, psychopathology, research, assessment, theories of counseling, ethical and legal issues as well as individual, group and other counseling interventions. Training in counseling skills begins in the first semester and an internship usually begins in the second year. Specializations are offered in community counseling (including emphasis in child and adolescent counseling or general/adult counseling) or school counseling.

Counseling Master’s Requirements

Community Counseling
Community counseling requires a minimum of 48 credit hours and successful completion of a comprehensive examination. Students must complete the following core courses, as part of the total credits for the degree:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COUN 6000</td>
<td>Introduction to Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6020</td>
<td>Life-Span Human Development</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6030</td>
<td>Theories of Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6040</td>
<td>Multicultural Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6051</td>
<td>Introduction to Research Methods in Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6060</td>
<td>Psychopathology</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6070</td>
<td>Assessment in Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6080</td>
<td>Career Development and Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6110</td>
<td>Individual Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6120</td>
<td>Group Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6965</td>
<td>Counseling Practicum</td>
<td>2</td>
</tr>
<tr>
<td>COUN 6986</td>
<td>Internship in Counseling</td>
<td>4</td>
</tr>
</tbody>
</table>

School Counseling
School counseling requires a minimum of 48 credit hours and successful completion of a comprehensive examination. Students must complete the following core courses, as part of the total credits for the degree:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COUN 6000</td>
<td>Introduction to Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6001</td>
<td>Introduction to School Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6020</td>
<td>Life-Span Human Development</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6030</td>
<td>Theories of Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6040</td>
<td>Multicultural Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6051</td>
<td>Introduction to Research Methods in Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6060</td>
<td>Psychopathology</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6070</td>
<td>Assessment in Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6080</td>
<td>Career Development and Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6110</td>
<td>Individual Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6120</td>
<td>Group Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6300</td>
<td>Counseling with Children and Adolescents</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6931</td>
<td>Topics in Counseling</td>
<td>3</td>
</tr>
<tr>
<td>COUN 6970</td>
<td>School Counseling Practicum</td>
<td>2</td>
</tr>
<tr>
<td>COUN 6986</td>
<td>Internship in Counseling</td>
<td>4</td>
</tr>
</tbody>
</table>
As part of their course work, students in each specialization must also complete field experiences, practicum and an internship in a clinical or educational setting. More detailed requirements for each of the specializations can be obtained from the department office. The master of arts degree can be completed under Plan A, which requires a thesis, or Plan B, which does not require a thesis.
Counseling Psychology (COPS)

Chairperson: Alan W. Burkard, Ph.D.
marquette.edu/education/grad/cecp_doctorate.shtml

Degree Offered
Doctor of Philosophy

Program Description
Our doctoral program in counseling psychology is based on a scientist-practitioner model for training professional psychologists and is fully accredited by the American Psychological Association. Students acquire a solid foundation of knowledge in the biological, cognitive, affective, individual and social bases of human behavior. Through course work in research design, measurement and statistics, students develop the skills needed to critically evaluate psychological research and to conduct their own independent research. Training in diagnosis, assessment, psychotherapy, consultation, practica, internship and ethics provides students with the necessary professional skills to practice as competent and ethical counseling psychologists. Supervised practica and internship experiences are available through the university’s Counseling Center and at a wide variety of community sites. Graduates are prepared to practice as psychologists, professors, consultants, administrators and researchers.

Counseling Psychology Doctoral Requirements
The counseling psychology program consists of 27 credits of course work in psychological foundations, 52 credits of course work in the counseling psychology professional core, a minimum of 1000 hours of doctoral practicum, a collaborative research project and a 12-credit dissertation and an approved 2000-hour pre-doctoral internship typically completed in one calendar year. Students are required to participate in faculty research teams throughout the program and are also required to participate in department seminars and colloquia. Specific course and other program requirements can be obtained from the department office. Students who have completed relevant graduate course work prior to entry into the program may have some of their requirements waived if the previous course work is equivalent to the courses currently required by the program.

Students must also pass a portfolio doctoral qualifying examination (DQE) which is evaluated near the end of their course work in the program. Students must pass the portfolio DQE and have their dissertation proposals accepted before they can apply for an internship. To be advanced to candidacy, students must pass the DQE, have their dissertation proposal accepted, complete all program course work and the Graduate School’s residency requirement.
Educational Psychology (EDPS)

Chairperson: Alan W. Burkard, Ph.D.
marquette.edu/education/grad/cecp.shtml

Degree Offered
Master of Arts

Program Description
Note: Moratorium on admissions to the Educational Psychology program.

The objectives of the master of arts program in educational psychology are to provide knowledge and skills in the principal content areas of basic and applied psychology as required for the preparation of researchers and consultants for work in diverse settings, such as private and public schools, colleges and universities, research centers, and business and industry.

Educational Psychology Master’s Requirements
The master of arts degree in educational psychology requires a minimum of 30 credit hours and successful completion of a comprehensive examination. The program requires 18 credits of core course work in human development; the theories, philosophies and psychology of learning; intermediate-level statistics and research methods; and measurement. The remaining elective course work allows students to tailor their program to be consistent with a variety of educational and career goals. The master of arts degree can be completed under Plan A, which requires a thesis, or Plan B, which does not require a thesis.
Dentistry (DENT)

Administration
Dean: William K. Lobb, D.D.S., M.S., M.P.H.
Associate Dean for Research and Graduate Studies: Arthur F. Hefti, D.D.S., Ph.D.

Program Directors
Dental Biomaterials: David Berzins, B.S., Ph.D.
Advanced Education in General Dentistry: Joseph M. Vitolo, D.M.D., M.S., Ph.D.
Endodontics: F. Kris Olsen, D.D.S., M.S. (interim)
Orthodontics: Thomas G. Bradley, B.D.S., M.S.
Prosthodontics: Geoffrey Thompson, B.A., D.D.S., M.S.
marquette.edu/dentistry/

Degrees Offered
Master of Science, Plan A only, with two options (see the Master’s Requirements section for details); Certificate

Specializations
Master’s: Dental Biomaterials, Endodontics, Orthodontics, Prosthodontics
Certificate: Advanced Education in General Dentistry, Endodontics, Orthodontics, Prosthodontics

Graduate Program Overview
The School of Dentistry offers graduate programs in dental biomaterials, and the ADA-accredited programs in advanced education in general dentistry (AEGD), endodontics, orthodontics, and prosthodontics. These programs can be modified to allow conjoint interdisciplinary graduate work to be undertaken in any other unit of the university, and a master of science or doctoral degree can be obtained through an appropriate graduate degree-granting department of the university or through the interdisciplinary Ph.D. program. Faculty for each dental graduate program are drawn both from full-time Dental School faculty and from practicing specialists in the field who serve as adjunct faculty (part-time faculty).

The AEGD program is an ADA-accredited one-year clinical program. Upon successful completion of all clinical and didactic requirements, a certificate is issued. There is no tuition for the 1-year program and residents receive stipends. A second year is optional and without stipend or tuition and subject to approval.

The dental biomaterials program is a non-accredited 2-year program leading to a master’s degree.

The specialty programs of endodontics, orthodontics and prosthodontics are clinically and research based, offering a specialty certificate and a master’s degree. Graduates are prepared to handle complex clinical cases and to work effectively with both general dentists and other dental specialists. For all the specialty programs, the master’s degree is required (certificates will not be awarded without the master’s degree). The endodontics program is a 24-month program, the orthodontics program is a 26.5-month program, and the prosthodontics program is a 36-month program. Tuition for the specialty programs is charged at a flat rate (20% during the summer term, 40% during the fall term, and 40% during the spring term). Any applicable instrument or service fees are charged during the fall term each year.

Specialty Certificate Requirements
Course work requirements for each graduate specialty program (endodontics, orthodontics and prosthodontics) are determined by the director of the specific program in accordance with accreditation standards. Courses include study in basic health sciences, dental biomaterials, research methodology, clinical dental specialties and other related science disciplines, as appropriate. In addition to course work, students also must complete patient care requirements, pass a comprehensive clinical examination, and submit all required evaluation data to receive the certificate.

Prerequisites for Admission
Selection for admission is based upon the applicant’s academic standing and clinical abilities. Competitive applicants will rank high in their dental school classes, have strong clinical skills and experiences, and have some experience with research. In general, to be admitted to any of the graduate programs in clinical dentistry, the applicant must have graduated from an accredited dental school.

For the dental biomaterials program, the applicant may be either a dental school graduate or have a baccalaureate degree in science or engineering. In special cases, a student with a baccalaureate degree in another area, but who has an appropriate background, may be admitted to the dental biomaterials program.

Application Deadlines
Sept. 1
For endodontics, orthodontics, and prosthodontics programs starting in June of the following year.
Oct. 1
For first round interviews for the AEGD program starting in July of the following year. Applications will be accepted beyond this deadline until all available AEGD positions are filled. For information on position availability, applicants applying after Oct. 1 should call (414) 288-3323 or email jacqueline.webster@marquette.edu.

Note: Applicants to dental biomaterials are encouraged to have their complete application submitted by February 1 to be considered for the fall entry class. Spring semester entry is possible every other year (even years). The program director notifies admitted students regarding the starting date for their program.

Application Requirements
Applicants must submit, directly to the Graduate School:

1. A completed Marquette University application form and application fee online at marquette.edu/grad/future_apply.shtml. Applicants must apply through Marquette, or they will not be considered for admission. In addition, applicants may also apply through the Postdoctoral Application Support Service (PASS) operated by the American Dental Education Association (ADEA), but it is not required. The orthodontics program does not accept PASS.

2. Official transcripts from all current and previous colleges/universities except Marquette. International applicants must have course grades converted to numerical values of 4.000, 3.000, 2.000, and 1.000 or to corresponding letter grades of A, B, C, and D, respectively. Where such a conversion is not possible, an explanation of the grading system used in the foreign dental school and undergraduate institution should accompany the official English translation of the grade transcripts.

3. Undergraduate and dental school grade-point averages, and class rank in dental school.

4. Three letters of recommendation reflecting the applicant’s clinical and academic abilities.

5. Scores from the National Board Dental Examinations, Part I and Part II. Not required from dental biomaterials applicants or from graduates of non-U.S./non-Canadian dental schools, except for AEGD applicants (see information above regarding Advanced Education in General Dentistry).

6. (For dental biomaterials applicants only) GRE scores strongly recommended (General Test only).

7. (For dental biomaterials, endodontics, orthodontics and prosthodontics applicants) a curriculum vitae and a personal statement.

8. (For orthodontics applicants only) registration with National Matching Service. The orthodontics program is part of the Postdoctoral Dental Matching Program. Details of this program can be obtained through the orthodontics department.

9. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

General Information
Non-Degree Students in Dentistry Courses
Normally, students with non-degree status are not permitted to enroll in dentistry courses. Graduate students from approved dental residency programs may enroll in any dental graduate courses but need prior approval from the School of Dentistry’s associate dean for research and graduate studies.

D.D.S./Graduate Program
The School of Dentistry, in close cooperation with the Graduate School, offers a doctor of dental surgery/graduate program which allows qualified students to take selected graduate courses while still in dental school. Interested dental students must formally apply for entrance into the program. Information is available from the associate dean for research and graduate studies in the School of Dentistry.

Once accepted into the D.D.S./graduate program, students are eligible to register for graduate courses offered by the School of Dentistry and other units of the university. To enroll in graduate courses, D.D.S./graduate program students must have written consent from course directors, the associate dean for research and graduate studies in the School of Dentistry, and the vice provost for research and dean of the Graduate School. Students must also submit a request form (available in the Graduate School office). The amount of graduate work available to students is determined by ability and progress within the D.D.S. program.

D.D.S./graduate students may seek admission to the following certificate or graduate programs offered by the School of Dentistry: dental biomaterials, endodontics, orthodontics or prosthodontics. Applications are subject to specified deadlines, and students are required to follow the normal competitive admission process. D.D.S./graduate students also may seek admission to other master’s programs such as biological sciences, education, engineering, business administration, mathematics/statistics/computer sciences, clinical psychology or public service. Upon acceptance into a master’s program, D.D.S./graduate students may formally request a transfer of completed graduate credits into the master’s program. Normally, a maximum of 12 credits may be transferred. (Transfer of credit forms are available in the Graduate School office.)

Further information about the D.D.S./graduate program can be obtained from the School of Dentistry associate dean for research and graduate studies.
Dental Graduate Didactic Core Curriculum

The Dental Graduate Didactic Core Curriculum (DENT 6001-6003) is designed to cover all didactic content areas applicable to the advanced practice of general dentistry and to each of the specialty areas of dentistry. The content areas are sequenced to present:

1. material of interest for the general dentist seeking additional training beyond predoctoral dental education
2. material of interest for each of the dental specialty areas
3. advanced material of interest for those intending to pursue academic/research careers.

The presentations are organized to emphasize the overlapping nature of scientific foundational material and each of the dental specialties. Additionally, the presentations are designed to accommodate those students entering the program immediately after undergraduate education as well as those students returning from varying years of private dental practice. The course of study is comprised of yearly repeating content cycles (sections) within the summer session and fall/spring terms. The Dental Graduate Didactic Core Curriculum (DENT 6001-6003) is offered from 8-9 a.m. Monday–Friday. Beyond the required classes for their program, students may register for as many DENT 6001-6003 sections as they wish during their graduate education. The sections covered in DENT 6001-6003 are listed below and a detailed description of section content is maintained in the form of comprehensive section syllabi available in the School of Dentistry office of the associate dean for research and graduate studies. Students may register repeatedly for any grading period containing material of interest and are free to rotate in and out of the courses as desired to obtain sections containing such material. Repeated registration for DENT 6001-6003 is differentiated through the use of section numbers that appear on official transcripts. Examinations and credit hours are variable and are determined by selected course sections. Grades for each course section are submitted directly to the Graduate School by course instructors at the end of each term. Official transcripts will designate the specific sections completed and the credit hours associated with those sections.

The content area sections covered annually by the Graduate Didactic Core Curriculum are as follows:

1. **Emergency Medicine** – A comprehensive review of the pathophysiology and treatment of the most common medical emergency states. Emphasis is placed on prevention, diagnosis, and patient stabilization.
2. **Dental Biomaterials** – Physical, mechanical, chemical, biologic behavior, properties, characterization, and testing of dental biomaterials. Biocompatibility of dental materials as well as advanced clinical concepts for general dentistry.
3. **Advanced Prosthodontic Biomaterials** – Advanced biomaterials and clinical concepts specific for prosthodontics.
4. **Advanced Endodontic Biomaterials** – Advanced biomaterials and clinical concepts specific for endodontics.
5. **Advanced Orthodontic Biomaterials** – Advanced biomaterials and clinical concepts specific for orthodontics.
6. **Interdisciplinary Periodontics** – Structure/function of the periodontium. Periodontal disease and therapy as it relates to all other aspects of dentistry emphasizing surgical approaches, occlusion, splinting, and periodontic/endodontic pathosis.
7. **Interdisciplinary Prosthodontics** – A comprehensive discussion of prosthodontic procedures as they relate to other areas of dental practice emphasizing removable complete/partial dentures, fixed partial dentures, maxillofacial prosthetics and implants.
8. **Interdisciplinary Endodontics** – Endodontic techniques as they relate to other areas of dental practice.
9. **Interdisciplinary Orthodontics** – A comprehensive discussion of orthodontic techniques as they relate to other areas of dental practice emphasizing cephalometrics, biomechanics of tooth movement, and tissue response to orthodontic procedures.
10. **Technology and Informatics** – A review of the current computer-based technologies available for independent self-directed learning, research, teaching approaches, patient care and professional communication. Emphasis is placed on biomedical applications and laboratory exercises are included to reinforce didactic concepts.
11. **Craniofacial Growth and Development** – Dental and facial growth and development from the embryonic period through adult life.
12. **Advanced Oral Pathology** – Principles and concepts of histopathology presented through review and microscopic study of surgical material and biopsy specimens of craniofacial lesions emphasizing pathogenesis of disease and histologic diagnosis. Laboratory exercises are included to reinforce didactic concepts.
13. **Head/Neck Anatomy and Osteology** – Systemic and regional approaches to the study of head/neck anatomy. Emphasis is placed on vasculature, musculature, innervation, lymphatic drainage, and morphology/anatomical landmarks of the various bones of the head/neck. Laboratory dissection and demonstration reinforce didactic concepts.
14. **Pharmacology and Pain/Anxiety Management** – The pharmacology of drugs commonly used for treatment of non-dental conditions that may affect the delivery of dental care either through direct action or through interaction with drugs commonly used in dental care. Emphasizes the neurophysiology of pain, control of pain by various classes of pharmacologic agents, and the behavioral management of dental fears.
15. **Research Methodology/Design** – A comprehensive presentation of the research process. Emphasis is placed on evaluating the literature, scientific writing, grant writing, animal/human use, ethics, and preparing abstracts, manuscripts and presentations.
16. **Biostatistics** – A comprehensive presentation of the various aspects of statistics and statistical evaluation. Emphasis is placed on reproducibility, power, validity, precision and accuracy.
17. **Oral Microbiology, Infection, and Immunology** – Inflammation, immunity, and oral microbiology emphasizing the mechanisms of microbial colonization and invasion, host response and pathogenesis of dental diseases.
18. **Biochemistry and Physiology of Mineralized Tissues** – The chemical and cellular constituents of mineralized tissues and modern methods for their study. Emphasis is placed on bone physiology and metabolism.

19. **Radiology and Imaging** – Advanced concepts in radiology and modern imaging techniques applied to all aspects of dentistry.

20. **Craniomandibular Function and Disorders** – Neuromuscular and occlusal physiology, diagnosis, and treatment of functional disturbances involving the craniofacial region.

21. **Temporomandibular Disorders in Orthodontics** – Neuromuscular and occlusal physiology, diagnosis, and treatment of functional disturbances involving the temporomandibular articulation specific to orthodontics.

22. **Oral Physiology** – Current topics in salivary function/dysfunction, gingival crevicular fluid and dentin sensitivity.

23. **Pediatrics** – The special management and treatment concerns of pediatric patients emphasizing prevention and trauma.

24. **Inflammation and Wound Healing** – Current concepts in the cell/molecular biology of inflammation and wound healing emphasizing predictable manipulation of the wound environment.

25. **Cell/Molecular Biology and Molecular Medicine** – Current concepts in cell/molecular biology as they relate to diagnostics and treatment with emphasis on immunologic approaches and gene therapy.

26. **Speech Pathology** – A review of the various speech pathologies emphasizing the interdisciplinary and integrative nature of treatment involving the dental professional.

27. **Public Health/Public Service** – The epidemiology of dental disease and access to care emphasizing the role of the dental professional in community health. A review of current local, state and federal programs for dental services.

28. **Practice Management** – A review of the current business aspects of dental practice for all aspects of dental specialties, with special emphasis on solo practice, group practice, dental clinics, and community health centers/institutionalized care.

29. **Jurisprudence** – A review of the current legal aspects of dental practice for all areas of dentistry emphasizing patient care, infection control and employee relations.

30. **Practice Ethics** – A review of various ethical dilemmas in practice settings including case studies for group discussion.

31. **Implantology** – Basic concepts for implant placement including review of relevant maxillary/mandibular anatomy, evaluation and screening of patients, augmentation considerations, surgical techniques, surgical complications/management and relevant emergency procedures.

### Graduate Dentistry Master’s Requirements

Master of science degree applicants may only be admitted to the program under Plan A, which has two options: the traditional thesis option and the publication option. In partial fulfillment of the requirements to obtain the master of science degree, all candidates must complete the biostatistics and research design and methodology sections of the graduate core curriculum with a grade of BC or above, conduct a research project on an appropriate clinical or basic science topic, and successfully defend their research project. Format and content of the public defense is determined by the advisory committee.

Candidates are encouraged to pursue research that originates in their chosen dental specialty. Research projects are selected in consultation with the graduate program directors and the associate dean for research and graduate studies. Where possible, graduate students in advanced dental specialty programs are encouraged to do clinically relevant research. Graduate students in dental biomaterials pursue the application of scientific principles to the study of dental biomaterials including relationships among compositions, physical properties, and clinical properties for dental biomaterial systems.

Graduate students who choose the thesis option will have their research and thesis preparation supervised by a primary advisor and approved by a thesis advisory committee that consists of at least three members. The publication option, in addition, culminates in the acceptance of a first author, original, peer-reviewed publication based on a research project. Selection of the publication option requires completion of a traditional thesis in the event the submitted manuscript is not accepted by the submission deadline listed in this bulletin. All graduate students are required to present their research formally.

### Advanced Education in General Dentistry

The School of Dentistry offers an Advanced Education in General Dentistry program that provides clinical experiences in all phases of general dentistry. The clinical training is complemented by a graduate didactic core curriculum that provides interdisciplinary education in the specialties of dentistry, and comprehensive diagnosis and treatment planning. The AEGD program is an intensive 12-month clinical care program. The program requires successful passing of the clinical and didactic course work resulting in a certificate from the Marquette University Graduate School. No thesis is offered. Additionally, there is a non-accredited optional second year of training available. **Note:** Stipends are not available for the second year of training.

To qualify for an AEGD program stipend, applicants must be graduates of U.S. dental schools. Graduates of foreign dental schools must have the appropriate Visa/citizenship status (i.e. F-1, Permanent Resident or U.S. citizen) to qualify for a stipend.

Applicants must take and submit scores from Part I and Part II of the National Board Dental Examinations. Graduates of foreign dental schools **must have taken and submitted their passing scores for Part I National Boards. While Part II Board scores are not an**
absolute requirement for foreign trained candidates, it is strongly advised to have taken the exam and submit scores to make the application more competitive.

**Dental Biomaterials**

A student in the dental biomaterials program must complete a minimum of 30 credit hours of course work, consisting of a curriculum of graduate dental biomaterials courses (24 credits) and six credit hours of thesis work. The dental biomaterials graduate program is an interdisciplinary program covering principles of materials science, engineering, chemistry, physics, biology, and dentistry. Satisfactory completion of the didactic and research components of the program results in a master’s degree through the Marquette University Graduate School. In addition to the courses offered by the School of Dentistry (described in detail under the Dental Biomaterials course description section of this bulletin), master’s candidates may be required by their program adviser to select courses offered through the Department of Mathematics, Statistics and Computer Science or other departments. Elective courses in appropriate areas such as the dental graduate core curriculum (from the School of Dentistry) or materials science (from the College of Engineering) may also be selected according to the backgrounds and interests of the individual students.

**Endodontics**

A student in the endodontics program must complete a minimum of 30 credit hours of course work, including four credit hours in clinical practice per academic year (a total of eight credit hours for each program) and six credit hours of thesis work. The remaining credits may be divided among courses specific to the specialty discipline and elective courses. The endodontics program requires two full years of patient care. Satisfactory completion of the didactic and clinical components of the programs results in a specialty certificate through the Marquette University Graduate School. Satisfactory completion of the research component of the programs results in a master’s degree through the Marquette University Graduate School. The master’s degree is required in order to receive the specialty certificate.

**Orthodontics**

A student in the orthodontics program must complete a minimum of 30 credit hours of course work, including four credit hours in clinical practice per academic year (a total of eight credit hours for each program) and six credit hours of thesis work. The remaining credits may be divided among courses specific to the specialty discipline and elective courses. The orthodontics program requires 26.5 months of patient care. Satisfactory completion of the didactic and clinical components of the programs results in a specialty certificate through the Marquette University Graduate School. Satisfactory completion of the research component of the programs results in a master’s degree through the Marquette University Graduate School. The master’s degree is required in order to receive the specialty certificate.

**Prosthodontics**

The prosthodontic program is a three-year program. A student in the prosthodontic program must complete a minimum of 42 credit hours of course work, including 12 credit hours of clinical practice, and six credit hours of thesis work. The remaining credits will be from courses assigned by the program director. The prosthodontics program requires three full years of patient care. Satisfactory completion of the didactic and clinical components of the program results in a specialty certificate through the Marquette University Graduate School. Satisfactory completion of the research component of the program results in a master’s degree through the Marquette University Graduate School. The master’s degree is required in order to receive the specialty certificate.
Education (EDUC)

Counselor Education and Counseling Psychology Chairperson: Alan W. Burkard, Ph.D.
Educational Policy and Leadership Chairperson: Ellen W. Eckman, Ph.D.
marquette.edu/education/grad/index.shtml

Degrees Offered
Master of Arts; Master of Education; Master of Science; Doctor of Philosophy; Certificate
Certificate programs prepare students to obtain state certification and licensure.

Program Overview
The College of Education prepares graduate students to assume leadership roles in the areas of study provided by its programs and specializations. The College of Education is made up of two departments: Counselor Education and Counseling Psychology (CECP) and Educational Policy and Leadership (EDPL).

While Marquette University is concerned about the professional advancement of its students, facilitates the process of certification and provides excellent educational opportunities, it cautions that professional success in a chosen field requires, above all else, constant development of individual abilities, personal initiative and a professional sense of responsibility for fulfilling all one’s appropriate legal, ethical and other professional responsibilities. Hence, the university facilitates the licensure process for students pursuing careers in education and other human service fields, but students must also take responsibility for meeting all the requirements for licensure or certification in their chosen fields.

Counselor Education and Counseling Psychology
The following degrees are offered through Counselor Education and Counseling Psychology: doctoral degree in counseling psychology; master of science degree in clinical mental health counseling; master of arts degree in counseling (moratorium on admissions to master of arts degree in educational psychology).

Clinical Mental Health Counseling (CMHC): See Counselor Education and Counseling Psychology (p. 89) (CECP)
Counseling (COUN): See Counselor Education and Counseling Psychology (p. 89) (CECP)
Counseling Psychology (COPS): See Counselor Education and Counseling Psychology (p. 89) (CECP)

Educational Policy and Leadership
The following degrees and specializations are offered through Educational Policy and Leadership: doctoral degree; master of arts degree with specializations in curriculum and instruction, educational policy and foundations and literacy; master of education degree with specializations in college student personnel administration, educational administration, elementary education and secondary education.

Educational Policy and Leadership (p. 102) (EDPL)
Educational Policy and Leadership (EDPL)

Chairperson: Ellen W. Eckman, Ph.D.
Director of Graduate Studies: Sharon M. Chubbuck, Ph.D.
marquette.edu/education/grad/edpl.shtml

Degrees Offered
Master of Arts (M.A.), Plan B (non-thesis option, default) or Plan A (thesis option, by request), Master of Education (M.Ed.), Plan B (non-thesis option, default) or Plan A (thesis option, by request); Doctor of Philosophy; Certificate

Specializations
M.A.: Curriculum and Instruction, Educational Policy and Foundations, Literacy
M.Ed.: College Student Personnel Administration, Educational Administration, Elementary Education, Secondary Education
Certificate: Director of Instruction, Elementary Education, Principal, Reading Specialist, Reading Teacher, Secondary Education, Superintendent
Ph.D.: None

General Program Descriptions
The educational policy and leadership programs prepare graduate students to assume educational leadership roles in the areas of study provided by its programs and specializations. A distinctive characteristic of the programs are their commitment to the development of professionals as agents of critical inquiry and social justice. This is done through a systematic focus on the social, cultural, philosophical and historical contexts of education. The educational policy and leadership programs seek to apply the university goals of Christian commitment and scholarship to settings related to educational practice and policy, especially in public and private schools and institutions of higher education.

Master’s Programs
The goal of the master’s programs is to engage the professional educator in extended critical reflection on the principles, practices, and rationales of human-service leadership in contemporary society. Specifically, the programs seek to develop educational leaders in K-12 schools, colleges, universities and educational organizations with expertise in the historical, philosophical and sociological foundations of educational policy issues. The programs are designed to accommodate the working professional, and program content is composed to reflect student backgrounds, interests and professional objectives.

M.A. – Curriculum and Instruction
The master of arts with a specialization in curriculum and instruction invites students to pursue critical study of curriculum, teaching, and subject area knowledge. This program is designed for practicing teachers in K-12 schools or higher education. The program is grounded in the National Board of Professional Teaching Standards and is designed to help students become master teachers, conduct action research, and act as leaders and change agents in their schools, districts and communities.

M.A. – Educational Policy and Foundations
The master of arts with a specialization in educational policy and foundations is designed for teachers and educational leaders who wish to combine the study of foundations in education with research in an area of interest.

M.A. – Literacy
The master of arts with a specialization in literacy is designed for licensed teachers interested in obtaining reading licensure in the state of Wisconsin (DPI License 316 and 317) acquired in conjunction with a master’s degree. General program goals for the master of arts in curriculum and instruction and the International Reading Association’s current Standards for Reading Professionals form the basis for the required courses in this specialization.

M.Ed. – College Student Personnel Administration
The master of education with a specialization in college student personnel administration prepares students for careers in student affairs settings in higher education such as: academic advising, career development centers, student unions, international student services, multicultural affairs, orientation programs, residential living programs, admissions and student organizations. The program includes course work in leadership, counseling, educational psychology and higher education.

M.Ed. – Educational Administration
The master of education with a specialization in educational administration invites students to pursue the critical study of organizational leadership in K-12 schools and to assume leadership roles in those settings. The program prepares students for either the Wisconsin Director of Instruction license or the Wisconsin Principal license.
M.Ed. – Elementary Education

The master of education with a specialization in elementary education is designed for students with a bachelor’s degree who wish to earn an initial Wisconsin elementary/middle (middle childhood/early adolescence — grades 1-8) teaching license. This licensure to master’s program is aligned with the knowledge, skills and dispositions related to effective teaching and articulated in the Wisconsin State Teaching Standards for Licensure and Professional Development. Like Marquette’s undergraduate teacher preparation program, this program prepares teachers to uphold the Jesuit traditions of care for the person, social justice, academic excellence, ethical behavior and service to the urban community.

M.Ed. – Secondary Education

The master of education with a specialization in secondary education is designed for students with a bachelor’s degree in biology, chemistry, economics, English, a foreign language, history, mathematics, physics, political science, psychology or sociology who wish to earn an initial Wisconsin middle/secondary (early adolescence/adolescence — grades 6-12) teaching license. This licensure to master’s program is aligned with the knowledge, skills and dispositions related to effective teaching and articulated in the Wisconsin State Teaching Standards for Licensure and Professional Development. Like Marquette’s undergraduate teacher preparation program, this program prepares teachers to uphold the Jesuit traditions of care for the person, social justice, academic excellence, ethical behavior and service to the urban community.

Teach For America

Marquette’s College of Education and Teach for America, an organization that recruits graduates from some of the country’s best colleges and universities to teach for two years in challenging urban or rural schools, partnered in 2009. Teach For America corps members who are assigned to teach in Milwaukee take courses toward elementary and secondary post-baccalaureate Wisconsin teacher licensure. Successful completion of the two-year program may also culminate with a master of education degree. For more information on how to apply to this program, visit the Teach for America website at www.teachforamerica.org/ (http://teachforamerica.org).

Certificate Programs

The College of Education offers a variety of certificate programs in alignment with requirements for educational licensure through the Wisconsin Department of Public Instruction. Certificates are granted by the Wisconsin Department of Public Instruction. The university’s decisions on recommendations for certification are made by its licensing officer after appropriate consultations and requirement reviews.

Administrative Licensure Certificates

Certification programs are available for the Wisconsin Director of Instruction, Principal, and Superintendent licenses. Licensed teachers who wish to acquire a principal or director of instruction license may also do so in conjunction with the master of education in educational administration.

Literacy Certificates

Certification programs are available for the Wisconsin Reading Teacher (316) and Reading Specialist (317) licenses. Licensed teachers who wish to complete the 316 license may do so separately or in conjunction with the master of arts in literacy. The additional requirements for the 317 license can also be fulfilled separately, or in addition to the 316 license with the master of arts.

Teaching Certificates

Certification programs are available for Wisconsin teaching licensure at the middle childhood/early adolescence level (elementary/middle, grades 1-8) or the early adolescence/adolescence level (middle/secondary, grades 6-12). Students can earn either license alone or in conjunction with a master of education degree.

Doctoral Program

The goal of the doctoral program in educational policy and leadership is to engage the professional educator in extended critical reflection on the principles, practices and rationales of human-service leadership in contemporary society. Specifically, the program seeks to develop educational leaders in K-12 schools, colleges, universities and educational organizations with expertise in the historical, philosophical and sociological foundations of educational policy issues. The program is designed to accommodate the working professional, and program content is composed to reflect student backgrounds, interests and professional objectives.

Master’s Programs

Application Deadlines

Since start terms for College of Education cohorts vary by program, students should seek advice from department personnel regarding specific application deadlines.

Application Requirements for Master’s Programs

Applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation addressing the applicant’s ability to do graduate-level work.
4. A personal statement of purpose that includes professional and academic goals.
5. GRE scores (General Test only; scores must be received by application deadline).
6. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

An interview and/or writing test may be required of applicants following the initial screening.

Teacher certification applicants are required to submit Praxis I and II scores to the College of Education’s Office of Teacher Education. These applicants must also undergo a criminal background check, conducted by Marquette University. A second criminal background check is conducted at the state level when student teaching is completed, as part of the teacher license application.

Individuals submitting applications for administrative licenses must undergo a criminal background check, conducted by the state, when their administrative program is complete and they submit their administrative license application to the state.

**Prerequisites for Admission to Master’s Programs**

Applicants should have graduated with a minimum of a bachelor’s degree from an accredited institution appropriate to their chosen field of graduate study.

**Teacher and Administrative Certification**

All applicants seeking teacher certification or administrative certification must have transcripts evaluated by the College of Education BEFORE formally applying to the Graduate School for admission to any certificate program. Only upon approval of the department should students submit application materials to the Graduate School. Students seeking an advanced degree and certification must meet the criteria for both admission to the Office of Teacher Education and the Graduate School.

All inquiries concerning certification should be directed to the College of Education Graduate Office, located at Schroeder Health and Education Complex, 176, P.O. Box 1881, Milwaukee, WI 53201-1881, or via telephone at (414) 288-0659.

**Application Requirements for Certification Applicants**

After having transcripts evaluated by the College of Education, applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation addressing the applicant’s ability to do graduate-level work.
4. A personal statement of purpose that includes professional and academic goals.
5. (For administrative leadership certificate applicants only) proof of an earned master’s degree and teaching license.
6. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

An interview and/or writing test may be required of applicants following the initial screening.

Teacher certification applicants are required to submit Praxis I and II scores to the College of Education’s Office of Teacher Education. These applicants must also undergo a criminal background check, conducted by Marquette University. A second criminal background check is conducted at the state level when student teaching is completed, as part of the teacher license application.

Individuals submitting applications for administrative licenses must undergo a criminal background check, conducted by the state, when their administrative program is complete and they submit their administrative license application to the state.

**Doctoral Program**

The doctoral program is designed to foster the development of scholar-practitioners. It asks students not only to inquire deeply into the process of teaching and learning, but also how the organization of schooling shapes this process. In addition, the program asks students to acquire adjacent disciplinary strengths that provide contexts for considering what knowledge is of most worth, how forms of knowledge are socially distributed and what educational measures might help bring about a more just society. Students are expected to gain expertise in research that will enable them to contribute to the ways we think about education, and they are expected to develop technological and other practical skills that will enable them to implement strategies for change.

**Prerequisites for Admission**

Applicants should have graduated with, or be about to graduate with, a master’s degree from an accredited institution appropriate to their chosen field of graduate study. The exceptional student applying to the doctoral program without a master’s degree must complete an appropriate master’s degree as part of his or her doctoral program requirements.
Application Deadline
Jan. 15 applicant files must be completed by this date for admission consideration to the doctoral program. Applicants will be notified by March 15.

Application Requirements for Doctoral Program
Applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation addressing the applicant's ability to do graduate-level work.
4. GRE scores (scores MUST be received by application deadline – Jan. 15).
5. A sample of scholarly writing, such as a master’s thesis or a published article.
6. A personal statement articulating research interests with professional aspirations.
7. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

An interview and/or writing test may be required of applicants following the initial screening.

Educational Policy and Leadership Master of Arts (M.A.) Requirements
A master’s program is arranged in consultation with the student’s assigned adviser. The program of study should be submitted for approval to the director of graduate studies no later than the end of the first term. Where licensure is involved, the program is designed to meet Wisconsin requirements.

Curriculum and Instruction
The master of arts degree in curriculum and instruction requires students to complete 30 credit hours of course work, complete research and leadership projects and compose a capstone essay.

Required Courses (21 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDPL 6000</td>
<td>Introduction to Educational Inquiry</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6400</td>
<td>Educational Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6410</td>
<td>Research Practicum</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6420</td>
<td>Teacher as Leader</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6440</td>
<td>Foundations of Curriculum Planning</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6450</td>
<td>Theories of Learning Applied to Instruction</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6953</td>
<td>Seminar in Analysis of Teaching</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Credit Hours</strong></td>
<td><strong>21</strong></td>
</tr>
</tbody>
</table>

Elective Courses (9 credits)
Chosen from content area of specialization.

Educational Policy and Foundations
The master of arts degree in educational policy and foundations requires students to complete 33 credit hours of course work and complete a capstone research project.

Required Courses (15 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDPL 6200</td>
<td>Student Development in Higher Education</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6250</td>
<td>History of Higher Education in the United States</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6300</td>
<td>Classics in the Philosophy of Education</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6310</td>
<td>Contemporary Philosophies of Education</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6330</td>
<td>Sociological Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6360</td>
<td>Lifespan Development</td>
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</tr>
<tr>
<td>EDPL 6440</td>
<td>Foundations of Curriculum Planning</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6450</td>
<td>Theories of Learning Applied to Instruction</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6700</td>
<td>Organizational Theory and Administration in K-12 Schools</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6730</td>
<td>History of Education in the United States</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6800</td>
<td>American Law and the Educational Organization</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 6340</td>
<td>Child and Adolescent Development</td>
<td>3</td>
</tr>
</tbody>
</table>
Research courses (6 credits): must be approved by student’s adviser.

**Elective Courses (18 credits)**
Chosen from an area of specialization.

**Literacy**
The master of arts degree in literacy requires students to complete 33-36 credit hours of course work, a research project, at least one practicum, a capstone essay and portfolio.

**Required Courses (24-27 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDPL 6000</td>
<td>Introduction to Educational Inquiry</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6400</td>
<td>Educational Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6410</td>
<td>Research Practicum</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6460</td>
<td>Literacy and Children’s Literature for the Primary Grades</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6470</td>
<td>Literacy and Children’s Literature for the Intermediate Grades</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6480</td>
<td>Literature for Children and Adolescents</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6560</td>
<td>Literacy Assessment and Instruction</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6970</td>
<td>Practicum: Literacy Assessment and Instruction</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 6020</td>
<td>Literacy in the Content Areas (unless equivalent course was taken previously)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Credit Hours</strong></td>
<td><strong>27</strong></td>
</tr>
</tbody>
</table>

**Elective Courses (9 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDPL 6580</td>
<td>Psychology of Reading *</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6860</td>
<td>Supervision of Instruction *</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6970</td>
<td>Literacy Leadership of Reading Programs *</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6975</td>
<td>Practicum in K-12 Literacy Leadership *</td>
<td>1-3</td>
</tr>
<tr>
<td>EDPL 6450</td>
<td>Theories of Learning Applied to Instruction</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6420</td>
<td>Teacher as Leader</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6490</td>
<td>Writing for Children and Adolescents</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 6230</td>
<td>Learning and Linguistic Diversity</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6931</td>
<td>Topics in Educational Policy and Leadership</td>
<td>1-3</td>
</tr>
</tbody>
</table>

* Required for Reading Specialist License (Wis. DPI 317).

**Required for Wisconsin State Licensure:**

- Wisconsin Teaching license
- Two years of teaching experience
- 12 hours of post-bachelor’s course work

**Educational Policy and Leadership Master of Education (M.Ed.) Requirements**

**College Student Personnel Administration**
The master of education degree in college student personnel administration requires students to complete 36 credits of course work and complete a professional capstone project.

**Required Courses (33-36 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDPL 6000</td>
<td>Introduction to Educational Inquiry</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6100</td>
<td>Introduction to Student Affairs</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6140</td>
<td>Diverse Students on the College Campus</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6200</td>
<td>Student Development in Higher Education</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6210</td>
<td>Environmental Theory Assessment in Higher Education</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6250</td>
<td>History of Higher Education in the United States</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6260</td>
<td>Organizational Theory and Administration in Higher Education</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6800</td>
<td>American Law and the Educational Organization</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6965</td>
<td>Practicum in Student Affairs Leadership 1</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6966</td>
<td>Practicum in Student Affairs Leadership 2 (unless waived)</td>
<td>3</td>
</tr>
</tbody>
</table>
EDPL 6997  Capstone in Educational Policy and Leadership  3
COUN 6000  Introduction to Counseling  3
Total Credit Hours  36

**Elective Course (3 credits)**

Students who are waived from the second practicum course can choose one elective in an area of interest.

**Educational Administration**

The master of education degree in educational administration requires students to complete 33-36 credit hours of course work and complete a leadership portfolio and/or professional project.

**Required Courses (15 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDPL 6000</td>
<td>Introduction to Educational Inquiry</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6700</td>
<td>Organizational Theory and Administration in K-12 Schools</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6730</td>
<td>History of Education in the United States</td>
<td>3</td>
</tr>
<tr>
<td>or EDPL 6707</td>
<td>Leadership Foundations of Private Education</td>
<td></td>
</tr>
<tr>
<td>EDPL 6800</td>
<td>American Law and the Educational Organization</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6997</td>
<td>Capstone in Educational Policy and Leadership</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours  15

**Additional Graduate-Level Requirements for Principal License (18 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDPL 6440</td>
<td>Foundations of Curriculum Planning</td>
<td>3</td>
</tr>
<tr>
<td>or EDPL 6870</td>
<td>The Theory and Design of Curriculum</td>
<td></td>
</tr>
<tr>
<td>EDPL 6710</td>
<td>Politics and Community Relations in Educational Organizations</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6720</td>
<td>Business Administration of the Educational Organization</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6750</td>
<td>The Principalship</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6860</td>
<td>Supervision of Instruction</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6980</td>
<td>Practicum in the Principalship (consent required)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours  18

**Additional Graduate-Level Requirements for Director of Instruction License (21 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDPL 6440</td>
<td>Foundations of Curriculum Planning</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6710</td>
<td>Politics and Community Relations in Educational Organizations</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6720</td>
<td>Business Administration of the Educational Organization</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6860</td>
<td>Supervision of Instruction</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6870</td>
<td>The Theory and Design of Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>Human development course</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Practicum course</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours  21

**Elementary Education**

The master of education degree in elementary education requires students to complete 41 credit hours* of course work. This includes one term of full-time student teaching.

**Undergraduate Prerequisites**

A literacy practicum (4 credits), math and math methods courses (6-9 credits), and a fine arts methods or elective course (3 credits).

**Graduate Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 6010</td>
<td>Introduction to Schooling in a Diverse Society</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6360</td>
<td>Lifespan Development</td>
<td></td>
</tr>
<tr>
<td>or EDUC 6340</td>
<td>Child and Adolescent Development</td>
<td></td>
</tr>
<tr>
<td>EDUC 6040</td>
<td>Introduction to Learning and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 6350</td>
<td>Teach for America Reading Methods</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 6360</td>
<td>Teach for America Math Methods 1</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 5217</td>
<td>Children and Youth with Exceptional Needs</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 6370</td>
<td>Teach for America Integrated Methods: Science, Social Studies, and Fine Arts</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 5964</td>
<td>Practicum: Teaching Elementary-Level Reading</td>
<td>4</td>
</tr>
<tr>
<td>EDUC 5297</td>
<td>Teaching in the Middle School</td>
<td>4</td>
</tr>
<tr>
<td>One of the following:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>EDUC 5540</td>
<td>Philosophy of Education</td>
<td></td>
</tr>
<tr>
<td>EDPL 6730</td>
<td>History of Education in the United States</td>
<td></td>
</tr>
</tbody>
</table>
EDPL 6330  Sociological Foundations of Education
EDUC 6966  Elementary/Middle Education Practicum 3

Three Additional GRADUATE LEVEL courses:
EDPL 6440  Foundations of Curriculum Planning 3
EDPL 6450  Theories of Learning Applied to Instruction 3
EDPL 6953  Seminar in Analysis of Teaching 3

Total Credit Hours 41

* A minimum of 33 credits must be completed at the graduate level for the master’s degree. Course work completed at the undergraduate level (either at Marquette or at another institution) may reduce course requirements in this program. If some or all of the undergraduate prerequisites need to be satisfied, students must complete up to 57 credits for this degree.

Secondary Education
The master of education degree in secondary education requires students to complete 37 credit hours* of course work. This includes one term of full-time student teaching.

Required Courses

EDUC 6010  Introduction to Schooling in a Diverse Society 3
EDPL 6360  Lifespan Development 3
or EDUC 6340  Child and Adolescent Development
EDUC 6040  Introduction to Learning and Assessment 3
EDUC 6350  Teach for America Reading Methods 3
or EDUC 6020  Literacy in the Content Areas
EDUC 5217  Children and Youth with Exceptional Needs 3
EDUC 5297  Teaching in the Middle School 4

One of the following courses:

EDUC 5540  Philosophy of Education
EDPL 6730  History of Education in the United States
EDPL 6330  Sociological Foundations of Education
EDUC 6965  Middle/Secondary Education Practicum 3

One additional Advanced Methods course:

EDUC 5007  Teaching Middle/Secondary Social Science 3
EDUC 5017  Teaching Middle/Secondary Science
ENGL 5027  Teaching English in the Secondary School
FOLA 5000  Teaching World Languages and Cultures
MSCS 6931  Topics in Mathematics, Statistics and Computer Science
or Advanced Methods in Journalism, Communication, or Theatre

Additional GRADUATE COURSE requirements:
EDPL 6440  Foundations of Curriculum Planning 3
EDPL 6450  Theories of Learning Applied to Instruction 3
EDPL 6953  Seminar in Analysis of Teaching 3

Total Credit Hours 37

* Course work completed at the undergraduate level (either at Marquette or at another institution) may reduce course requirements in this program. A minimum of 33 credits must be completed at the graduate level for the master’s degree.

Prerequisite Course Work**
Graduate level course(s) in content area of specialization.

** Based on an analysis of the undergraduate transcript, students may be required to complete additional course work in their content area of certification to meet Wisconsin Department of Public Instruction certification requirements.

Director of Instruction Requirements
This certificate program is designed for licensed teachers interested in the Director of Instruction license in the state of Wisconsin and requires students to complete 30 credit hours of course work.

Prerequisites for Licensure:
• Wisconsin Teaching license
• Master’s degree
• Licensed teaching experience
Required Courses (30 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDPL 6000</td>
<td>Introduction to Educational Inquiry</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6440</td>
<td>Foundations of Curriculum Planning</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6700</td>
<td>Organizational Theory and Administration in K-12 Schools</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6710</td>
<td>Politics and Community Relations in Educational Organizations</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6720</td>
<td>Business Administration of the Educational Organization</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6800</td>
<td>American Law and the Educational Organization</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6860</td>
<td>Supervision of Instruction</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6870</td>
<td>The Theory and Design of Curriculum</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Human Development course</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Practicum course</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 30

Elementary Education

This certificate program is designed to meet the needs of adults with a bachelor’s degree who wish to earn an initial Wisconsin middle childhood/early adolescence (grades 1-8) teaching license and requires students to complete 31-33 credit hours* of course work.

Undergraduate Prerequisites:
- Literacy practicum (4 credits)
- Math and math methods courses (6-9 credits)
- Fine arts methods or elective course (3 credits)

Graduate Courses (31-33)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDUC 6010</td>
<td>Introduction to Schooling in a Diverse Society</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6360</td>
<td>Lifespan Development</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One foundations of education course:</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6330</td>
<td>Sociological Foundations of Education</td>
<td></td>
</tr>
<tr>
<td>EDPL 6730</td>
<td>History of Education in the United States</td>
<td></td>
</tr>
<tr>
<td>EDUC 5540</td>
<td>Philosophy of Education</td>
<td></td>
</tr>
<tr>
<td>EDUC 5217</td>
<td>Children and Youth with Exceptional Needs</td>
<td>3</td>
</tr>
<tr>
<td>EDUC 5297</td>
<td>Teaching in the Middle School</td>
<td>4</td>
</tr>
<tr>
<td>EDUC 6040</td>
<td>Introduction to Learning and Assessment</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Literacy methods course</td>
<td>6-8</td>
</tr>
<tr>
<td></td>
<td>Science methods course</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Student teaching practicum</td>
<td>3</td>
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</tbody>
</table>

Total Credit Hours 31-33

* Wisconsin middle childhood/early adolescence (grades 1-8) teaching license requires students to complete 17-36 credit hours of course work, depending on background and/or equivalent course work completed (either at Marquette or at another institution).

Principal Requirements

This certificate program is designed for licensed teachers interested in the Principal license in the state of Wisconsin and requires students to complete 30 credit hours of course work.

Prerequisites for Licensure:
- Wisconsin Teaching license
- Master’s degree
- Licensed teaching experience

Required Courses (30 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDPL 6000</td>
<td>Introduction to Educational Inquiry</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6440</td>
<td>Foundations of Curriculum Planning</td>
<td>3</td>
</tr>
<tr>
<td>or EDPL 6870</td>
<td>The Theory and Design of Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6700</td>
<td>Organizational Theory and Administration in K-12 Schools</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6707</td>
<td>Leadership Foundations of Private Education</td>
<td>3</td>
</tr>
<tr>
<td>or EDPL 6730</td>
<td>History of Education in the United States</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6710</td>
<td>Politics and Community Relations in Educational Organizations</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6720</td>
<td>Business Administration of the Educational Organization</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 6750</td>
<td>The Principalship</td>
<td>3</td>
</tr>
</tbody>
</table>
Programs

EDPL 6800  American Law and the Educational Organization  3
EDPL 6860  Supervision of Instruction  3
EDPL 6980  Practicum in the Principalship  3
Total Credit Hours  30

Reading Specialist Requirements
This certificate program is designed for licensed teachers interested in the Reading Specialist licenses in the state of Wisconsin (DPI License 317) and requires students to complete 27-30 credit hours* of course work.

Required Courses for Reading Specialist Certificate only – DPI License 317 (27-30 credits)
EDPL 6460  Literacy and Children's Literature for the Primary Grades  3
EDPL 6470  Literacy and Children's Literature for the Intermediate Grades  3
EDPL 6560  Literacy Assessment and Instruction  3
EDPL 6570  Literacy Leadership of Reading Programs  3
EDPL 6580  Psychology of Reading  3
EDPL 6860  Supervision of Instruction  3
EDPL 6870  Practicum: Literacy Assessment and Instruction  3
EDPL 6875  Practicum in K-12 Literacy Leadership  3
EDUC 6020  Literacy in the Content Areas  3
EDPL 6480  Literature for Children and Adolescents (only for students with deficient background in children's literature)  3
Total Credit Hours  30

Required for Licensure:
• Master's degree or 30 hours of graduate course work equivalent
• Wisconsin Teaching license
• Two years of teaching experience
* Depending on background and/or equivalent course work completed (either at Marquette or at another institution).

Reading Teacher Requirements
This certificate program is designed for licensed teachers interested in the Reading Teacher license in the state of Wisconsin (DPI License 316) and requires students to complete 15-18 credit hours* of course work.

Required Courses for Reading Teacher Certificate only – DPI License 316 (15-18 credits)
EDPL 6460  Literacy and Children's Literature for the Primary Grades  3
EDPL 6470  Literacy and Children's Literature for the Intermediate Grades  3
EDPL 6560  Literacy Assessment and Instruction  3
EDPL 6870  Practicum: Literacy Assessment and Instruction  3
EDUC 6020  Literacy in the Content Areas  3
EDPL 6480  Literature for Children and Adolescents (only for students with deficient background in children's literature)  3
Total Credit Hours  18

Required for Licensure:
• Wisconsin Teaching license
• Two years of teaching experience
• 12 hours of post-bachelor's course work
* Depending on background and/or equivalent course work completed (either at Marquette or at another institution).

Secondary Education Requirements
This certificate program is designed to meet the needs of the working professional with a bachelor's degree who wish to earn an initial Wisconsin early adolescence/adolescence (grades 6-12) teaching license and requires students to complete 15-28 credit hours* of course work.

Required Courses (15-28 credits)
EDUC 6010  Introduction to Schooling in a Diverse Society  3
EDPL 6360  Lifespan Development  3
or EDUC 6340  Child and Adolescent Development
EDUC 6040  
Introduction to Learning and Assessment 3

EDUC 6350  
Teach for America Reading Methods 3
or EDUC 6020  
Literacy in the Content Areas

EDUC 5217  
Children and Youth with Exceptional Needs 3

EDUC 5297  
Teaching in the Middle School 4

One of the following courses: 3

EDUC 5540  
Philosophy of Education
EDPL 6730  
History of Education in the United States
EDPL 6330  
Sociological Foundations of Education
EDUC 6965  
Middle/Secondary Education Practicum

One additional course in Advanced Methods: 3

EDUC 5007  
Teaching Middle/Secondary Social Science
EDUC 5017  
Teaching Middle/Secondary Science
ENGL 5027  
Teaching English in the Secondary School
FOLA 5000  
Teaching World Languages and Cultures
MSCS 6931  
Topics in Mathematics, Statistics and Computer Science
Advanced Methods in Journalism, Communication, or Theatre

Total Credit Hours 28

Prerequisite Course Work**
Graduate level course(s) in content area of specialization.

* Depending on background and/or equivalent course work completed (either at Marquette or at another institution).

** Based on an analysis of the undergraduate transcript, students may be required to complete additional course work in their content area of certification to meet Wisconsin Department of Public Instruction certification requirements.

Superintendent Requirements
This certificate program is designed for licensed teachers interested in the Superintendent license in the state of Wisconsin and requires students to complete 27 credit hours of course work.

Prerequisites:
• Wisconsin Teaching license
• Three years of teaching experience
• Master’s degree
• Principal license
• Human development course

Required Courses (24 credits)

EDPL 8000  
The Superintendency 3
EDPL 8010  
Advanced Personnel Leadership 3
EDPL 8020  
Advanced Politics and Community Relations in Educational Organizations 3
EDPL 8030  
Advanced Theory and Practice in Educational Finance 3
EDPL 8040  
Advanced Program Planning and Evaluation in Educational Settings 3
EDPL 8730  
History of Education in the United States 3
EDPL 8870  
The Theory and Design of Curriculum 3
EDPL 8965  
Advanced Practicum in Educational Leadership 3

Total Credit Hours 24

Elective Course (3 credits)
Students choose an elective in an area of interest and in consultation with their adviser.

Educational Policy and Leadership Doctoral Requirements
A doctoral student must complete a program of study prepared in consultation with his or her adviser. Each program of study must include a minimum of 45 credit hours of course work beyond the master’s degree (at least 33 of which must be in the College of Education), plus a minimum of 12 credit hours of work on a dissertation. A doctoral program must contain the following elements:
1. **Doctoral Seminars (9 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDPL 8955</td>
<td>Seminar Social Contexts and Educational Policy 1</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 8956</td>
<td>Seminar Social Contexts and Educational Policy 2</td>
<td>3</td>
</tr>
<tr>
<td>EDPL 8960</td>
<td>Dissertation Proposal Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 9

2. **Foundation Courses (12 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDPL 8730</td>
<td>History of Education in the United States</td>
<td>3</td>
</tr>
<tr>
<td>One of the following:</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>EDPL 8300</td>
<td>Classics in the Philosophy of Education</td>
<td></td>
</tr>
<tr>
<td>EDPL 8330</td>
<td>Sociological Foundations of Education</td>
<td></td>
</tr>
<tr>
<td>EDPL 8450</td>
<td>Theories of Learning Applied to Instruction</td>
<td></td>
</tr>
</tbody>
</table>

Additional 6000/8000-level foundation courses in curriculum, leadership, history, philosophy, sociology or psychology: 6

Total Credit Hours: 12

3. **Research Courses (12 credits)**

Three of the following: 9

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDPL 8710</td>
<td>Multiple Paradigms in Educational Research</td>
<td></td>
</tr>
<tr>
<td>EDPL 8715</td>
<td>Interpretive and Critical Research in Education 1</td>
<td></td>
</tr>
<tr>
<td>COPS 8310</td>
<td>Intermediate Research and Statistics</td>
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<tr>
<td>PSYC 8101</td>
<td>Advanced Statistics and Design 1</td>
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</tr>
<tr>
<td>COMM 6150</td>
<td>Quantitative Research Methods in Communication</td>
<td></td>
</tr>
</tbody>
</table>

One elective course: 3

Total Credit Hours: 12

4. **A supportive elective sequence of courses, approved by the student’s adviser (at least 12 credits)**

5. **Dissertation Work (12 credits)**

Students interested in obtaining principal or superintendent licensure with the doctoral program will be required to complete additional course work.

Normally, no foreign language is required, unless, at the discretion of the student’s adviser, proficiency in a foreign language is necessary in a student’s research.

A doctoral student must pass both the written and oral parts of a qualifying examination (DQE) prior to the advancement to candidacy. This is normally taken after the completion of a minimum of 33 credit hours. Program faculty determine the format for the examination. A student’s DQE committee and dissertation committee (although these do not need to have the same membership) should include at least two faculty from the EDPL Department. The remaining members may be from outside the department with no more than one coming from outside the university. Students should select all committee members in consultation with their adviser.

The doctoral dissertation must represent an original research contribution and show high attainment and clear ability to do independent research. Students must successfully defend both their dissertation proposal and the final dissertation.
Engineering

OPUS Dean: Robert H. Bishop, Ph.D.
marquette.edu/engineering/grad.shtml

Degrees Offered
Master of Science, Master of Engineering; Doctor of Philosophy

Programs Overview
The College of Engineering offers four graduate engineering programs through which to pursue either a master of science or doctor of philosophy degree: biomedical engineering, civil engineering, electrical and computer engineering, and mechanical engineering. Details concerning each of the four programs can be found under the Engineering heading in the Programs section of this bulletin. The Department of Biomedical Engineering also offers a master of engineering in addition to the master of science and the doctor of philosophy degrees.

An interdisciplinary program is offered, leading to the master of science degree. Healthcare technologies management is jointly offered and administered by the College of Engineering, the Graduate School of Management and the Medical College of Wisconsin. Details on this program can be found in the Healthcare Technologies Management (p. 124) section.

A final interdisciplinary doctoral program in functional imaging is jointly offered by the Department of Biomedical Engineering in the College of Engineering and the Medical College of Wisconsin. Details on this program can be found in the Biomedical Engineering (p. 114) section.

In addition to their graduate degree programs, the Departments of Civil, Construction and Environmental Engineering and Electrical and Computer Engineering offer non-degree graduate certificate programs in a variety of technical areas for qualified individuals with bachelor’s degrees. The certificate programs are designed for practicing engineers and others who wish to update and/or expand their knowledge in specific technical areas, but do not necessarily wish to pursue master’s or doctoral degrees. General information about these programs can be found in the program information sections for these departments. Detailed information is available from the individual department offices.
Biomedical Engineering (BIEN)

Chairperson: Kristina M. Ropella, Ph.D.
marquette.edu/engineering/biomedical/grad.shtml

Degrees Offered
Master of Science, Master of Engineering; Doctor of Philosophy

Mission Statement
The Department of Biomedical Engineering is a dedicated team committed to the Jesuit tradition of the pursuit of truth. We develop leaders and problem solvers skilled at applying engineering, science and design principles to improve health in the service of humanity by:

• Discovering and disseminating new knowledge;
• Promoting critical thinking and lifelong learning;
• Guiding students to meaningful and ethical professional and personal lives;
• Fostering interdisciplinary and collaborative research and education through academic and industrial alliances;
• Continuing innovative leadership in education, research and industrial relationships; and
• Inspiring faculty and students to serve others.

Specializations
M.S.: Bioinstrumentation/Computers, Biomechanics/Biomaterials, Rehabilitation Bioengineering, Systems Physiology
M.E.: Biocomputing, Bioimaging, Bioinstrumentation, Biomechanics, Biorehabilitation
Ph.D.: Bioinstrumentation/Computers, Biomechanics/Biomaterials, Functional Imaging, Rehabilitation Bioengineering, Systems Physiology

Program Descriptions
The biomedical engineering program is interdisciplinary in nature, involving the application of engineering and mathematics to the solution of problems related to medicine and biology. The faculty reflect this interdisciplinary nature in their courses and research. Marquette faculty are synergistically complemented by adjunct faculty from the Medical College of Wisconsin. The MU/MCW Center for Biomedical Engineering and Biomathematics fosters collaborative interactions between the two institutions. Research can be characterized by the general areas of bioinstrumentation/computers, biomechanics/biomaterials, rehabilitation bioengineering and systems physiology. More specific areas of research include: artificial limbs/prostheses, biomaterials, biotelemetry, cell transport and metabolism, cardiac electrophysiology, computers in medicine, functional imaging (magnetic resonance, X-ray), head and spinal cord trauma, hemodynamics, human motion analysis, medical and biological image analysis, physiological signal processing, rehabilitation engineering, systems physiology (cardiovascular, gastrointestinal, musculoskeletal, neuroscience, pulmonary), telerehabilitation, tissue engineering, hard and soft tissue biomechanics and transcutaneous power transfer.

Functional Imaging Specialization — MU/MCW Joint program
Functional imaging is the simultaneous quantification of the structural and functional aspects of a biological system. Modern X-ray, nuclear magnetic resonance and other means of imaging in relatively noninvasive ways have made functional imaging increasingly practical. The doctoral program in functional imaging, a collaborative effort between Marquette University and the Medical College of Wisconsin, trains students in the use of these new technologies to obtain high-resolution structural, kinematic and kinetic data from intact organs, and in the use of mathematical modeling to understand the organ physiology.

Special registration for this program is required, as courses are taken at both institutions. Students must register for the course BIEN 6947 Medical College of Wisconsin/FUIM-Joint Degree through Marquette University and for the matching MCW course through Medical College of Wisconsin.

Prerequisites for Admission
Students with backgrounds in engineering, physical science and life science disciplines are eligible for admission to the master of science, master of engineering and doctoral programs in biomedical engineering. A baccalaureate degree in an appropriate area with a minimum grade point average of 3.000 is required. For the master of engineering, at least one year of post-baccalaureate professional work experience is required prior to starting the program. Applicants who do not have an engineering degree must complete prerequisite engineering requirements. The list of prerequisites can be obtained from the department office.

Application Requirements
Applicants must submit, directly to the Marquette University Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation.
4. GRE scores (General Test only).
5. A brief statement of purpose that includes the proposed area of research specialization.
6. (For master of engineering applicants only) an interview with the M.E. program director.
7. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

General Information
All admitted students are required to obtain and read the department’s Graduate Student Handbook (http://www.marquette.edu/engineering/biomedical/documents/GradHandbookfinaldraftNov_08.pdf), which contains complete details about the biomedical engineering programs and additional departmental degrees. This handbook is available through the Biomedical Engineering Office (414) 288-3375 and website at marquette.edu/engineering/biomedical/grad.shtml.

Accelerated Bachelor’s-Master’s Degree Program
This program allows Marquette University students to earn both their master of science degree in biomedical engineering and a bachelor of science degree in five years. Students currently enrolled in the undergraduate biomedical engineering program at Marquette University (with a GPA of 3.500 or above) may apply for admission to the five-year program during their junior year. Students must submit an application to the Graduate School, indicate their interest in the five-year program and meet all other admission criteria as stated in the Application Requirements section. (GRE test scores must be submitted before the start of the fifth year.)

Students may take master’s level courses in their senior undergraduate year. These graduate courses count toward both the undergraduate and graduate degrees. The remaining courses are taken during the students’ fifth year. Work on the students’ theses research begins the summer between the junior and senior years. Students will continue to gain research laboratory experience the summer between the senior and fifth year, continuing through the final year, culminating in preparation of a written thesis and defense. Upon completion of the first term as master’s candidates, students must petition the Graduate School to transfer courses taken as undergraduates to the master’s degree.

Biomedical Engineering
Upon enrolling in the master of science program in biomedical engineering, a student selects one of four specializations. Faculty will design a curriculum and research program to address the specific goals of each student. Programs will include course work in engineering, biology, mathematics and medicine, all of which will be integrated with research laboratory experience.

A master of science student must complete 24 credit hours of course work (including three credit hours of physiology) and six credit hours of thesis work. The student also must pass a comprehensive examination and submit an approved thesis.

Biomedical Engineering
Upon enrolling in the master of engineering program in biomedical engineering, a student selects one of five specializations and follows the curriculum designed for that specialization. The program includes course work in engineering, life sciences, mathematics, medicine and healthcare technologies management, all of which will be integrated in a capstone comprehensive written exam.

A master of engineering student must complete a total of 30 credit hours of course work, which includes three credits of independent readings and research. The student also must pass the capstone comprehensive examination.

Biomedical Engineering
Upon enrolling in the doctoral program in biomedical engineering, a student selects his or her area of specialization. Faculty will design a curriculum and research program to address the specific goals of each student. Programs will include course work in engineering, biology, mathematics and medicine, all of which will be integrated with research laboratory experience.

The doctor of philosophy degree is conferred in recognition of marked ability and high attainment in the advancement of knowledge and pursuit of truth. The comprehensive knowledge expected of the student in his or her major field is such that the requirements for the degree usually take no less than four years of full-time work, or the equivalent, beyond the baccalaureate degree.

A doctoral student must complete a program of study prepared in consultation with his or her dissertation adviser and outlined on an approved Doctoral Program Planning Form. The program normally requires 45 credit hours of course work beyond the baccalaureate degree (a minimum of 30 credit hours beyond the master’s degree) plus 12 credit hours of dissertation work. Doctoral course work must include a minimum of three credit hours of graduate-level physiology. All doctoral students must complete at least 9 credits from research methodologies and teaching methodologies courses. The student also must pass a doctoral qualifying examination (DQE) and submit and successfully defend a dissertation.
The Doctoral Candidacy Examination consists of both written and oral components. Students entering the doctoral program with a master’s degree are required to take the written portion within two terms after entering the program. Students entering the doctoral program with a bachelor’s degree are required to take the written portion before or at completion of 30 graduate credit hours or completion of the master’s degree, whichever comes first. Each student is expected to complete the oral portion by the end of the third year.

The dissertation must represent an original research contribution showing high attainment and clear ability to do independent research. A public defense of the dissertation (the final oral examination) is conducted after the student has completed all other formal requirements for the doctoral degree and has submitted a completed doctoral dissertation to his or her doctoral committee. The dissertation defense is conducted in the form of a department seminar.
Civil Engineering (CIEN)

Chairperson: Christopher M. Foley, Ph.D., P.E.
marquette.edu/engineering/civil_environmental/grad.shtml

Degrees Offered
Master of Science; Doctor of Philosophy; Certificate

Mission Statement
The mission of the Department of Civil, Construction and Environmental Engineering is to educate students in the Catholic, Jesuit tradition. These students will be competent in their technical fields, appreciate the moral and ethical impact of their professional work, and continue their professional development throughout their careers. They will advance the state of technical and scientific knowledge through research and provide service to civic and professional communities.

Specializations
M.S., Ph.D.: Construction/Public Works Management, Environmental/Water Resources Engineering, Structural/Geotechnical Engineering, Transportation Engineering and Planning


Program Descriptions
Certificate Programs
The Department of Civil, Construction and Environmental Engineering offers five non-degree graduate certificate programs. The certificate programs are designed for practicing engineers and other qualified individuals with bachelor’s degrees, who wish to update and/or expand their knowledge in specific technical areas, but do not necessarily wish to pursue master’s or doctoral degrees.

Degree Programs
The master of science and doctor of philosophy degree programs are designed to provide graduate students with both broad fundamental knowledge and up-to-date information on current and emerging technologies. Students may enroll on either a full-time or part-time basis. Doctoral students and research-oriented master’s students (e.g., Plan A) engage in research activities under the close supervision of their advisers, gradually learning to become independent researchers. Their projects are often supported by government and industry grants. Courses and research projects make significant use of the department’s extensive laboratory and computational facilities. Graduates find employment in industry, government, academia and research laboratories.

Prerequisites for Admission
Applicants should have graduated with, or be about to graduate with, a baccalaureate degree in an appropriate area of study from an accredited institution. In addition, doctoral applicants are required to have earned a master’s degree in a related field. (In some instances, exceptional applicants may be considered for entry into the doctoral program without a master’s degree.)

Application Requirements
Applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation.
4. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.
5. (For doctoral and all international applicants) GRE scores (General Test only).
6. The GRE is recommended for, and may be requested of, master’s applicants with undergraduate grade point averages less than 3.000 out of 4.000.
7. (For doctoral applicants only) a brief statement of purpose.
8. (For doctoral applicants only) submission of any English-language publications authored by the applicant is optional, but strongly recommended; this includes any master’s thesis or essay that the applicant may have written.

Research Activities
The Department of Civil, Construction and Environmental Engineering maintains laboratories related to studies in hydraulics, environmental engineering, structural testing, geotechnical engineering and concrete and asphalt, as well as computational facilities. Associated with the
department are three research centers: Water Quality Center, Transportation Research Center and the Institute for Urban Environmental Risk Management.

Research interests of the faculty include: retrofit and repair of structures, high-performance materials, prestressed concrete, non-linear analysis of steel frames, application of evolutionary computation in structural engineering, fatigue performance of auxiliary highway structures, microcantilever-based sensors, computer applications in construction, development of load resistance models for wood formworks, accident experience with ice control operations, accident analysis of abrasives or abrasive salt mixtures used as the general procedures for snow and ice control, real-time control of wastewater control systems, stochastic water quality models, optimization of the central control system—Milwaukee Metropolitan Sewerage District, residuals management, membrane water softening, rutting study of asphalt using the loaded wheel tester, use of recycled rubber in concrete pavement, impacts of pavement surface textures, effects of grinding on PCC pavements, pavement performance inputs for life cycle cost analysis, driver understanding of traffic signals, traffic accident relations with roadway geometry, finite element analysis of pavement structures, environmental risk management, nitrogen removal from septic tank effluents, biological treatment of papermill wastewater, using plants to remove soil pollutants: phyto remediation, detoxification of a broad range of chemicals: methanogenic, low aeration system, use of ceramic microfiltration for treatment of filter waste washwater.

Accelerated Bachelor’s-Master’s Degree Program

The department offers a five-year combined bachelor’s-master’s program available to outstanding Marquette University undergraduate students. This program enables students to earn both their bachelor of science and master of science degrees in civil engineering in just five years. Students currently enrolled in the undergraduate program in civil and environmental engineering at Marquette University (with a GPA of 3.500 or above) may apply for admission to the five-year program during their junior year. Students must submit an application to the Graduate School, indicate their interest in the five-year program and meet all other admission criteria as stated in the Application Requirements section.

In addition to completing their undergraduate degree requirements, students will take master’s level courses in their senior year. (Note: No course is permitted to satisfy both the undergraduate and graduate degree requirements in the accelerated B.S.-M.S. program of the Department of Civil, Construction and Environmental Engineering.) The remaining master’s level course work is taken during the student’s fifth year. If students pursue Plan A (thesis option), work on the thesis research should begin the summer between the junior and senior years. Students will continue to gain research experience during the summer between the senior and fifth years, continuing throughout the fifth year and culminating in preparation of a written thesis and defense. Students are also permitted to follow Plan B (course work option), which may also be designed so that the combined bachelor’s-master’s program may be completed in five years.

Civil Engineering Certificate Requirements

Each graduate certificate program requires completion of four courses (12 credits) selected from a prescribed list of courses pertinent to the area of study. All courses taken must be approved for graduate credit, and at least two of the courses must be strictly graduate level (courses numbered 6000 or above). Students must complete all courses within a three-year time period and must earn a grade point average of at least 3.000 with no grade below a C.

Construction Engineering and Management (12 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEEN 5840</td>
<td>Construction Cost Analysis and Estimating</td>
<td>3</td>
</tr>
<tr>
<td>CEEN 6510</td>
<td>Engineering Decisions Under Uncertainty</td>
<td>3</td>
</tr>
<tr>
<td>CEEN 6630</td>
<td>Construction Equipment and Methods</td>
<td>3</td>
</tr>
<tr>
<td>CEEN 6932</td>
<td>Advanced Topics in Civil Engineering:</td>
<td>1-3</td>
</tr>
<tr>
<td>CEEN 6995</td>
<td>Independent Study in Civil Engineering</td>
<td>1-3</td>
</tr>
</tbody>
</table>

Structural Design (12 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEEN 5145</td>
<td>Advanced Strength and Applied Stress Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CEEN 5411</td>
<td>Matrix Structural Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CEEN 5431</td>
<td>Steel Design 2</td>
<td>3</td>
</tr>
<tr>
<td>CEEN 5441</td>
<td>Advanced Concrete and Masonry Design</td>
<td>3</td>
</tr>
<tr>
<td>CEEN 5442</td>
<td>Prestressed Concrete Design</td>
<td>3</td>
</tr>
<tr>
<td>CEEN 5450</td>
<td>Bridge Design</td>
<td>3</td>
</tr>
<tr>
<td>CEEN 5460</td>
<td>Foundation Engineering</td>
<td>3</td>
</tr>
<tr>
<td>CEEN 5650</td>
<td>Pavement Design</td>
<td>3</td>
</tr>
<tr>
<td>CEEN 5660</td>
<td>Pavement Management</td>
<td>3</td>
</tr>
<tr>
<td>CEEN 6110</td>
<td>Theory of Elasticity</td>
<td>3</td>
</tr>
<tr>
<td>CEEN 6120</td>
<td>Introduction to the Finite Element Method</td>
<td>3</td>
</tr>
<tr>
<td>CEEN 6121</td>
<td>Applied Finite Element Analysis and Modeling</td>
<td>3</td>
</tr>
<tr>
<td>CEEN 6310</td>
<td>Engineering Decisions Under Uncertainty</td>
<td>3</td>
</tr>
<tr>
<td>CEEN 6410</td>
<td>Numerical Analysis with Structural Application</td>
<td>3</td>
</tr>
<tr>
<td>CEEN 6415</td>
<td>Plastic Analysis of Structures</td>
<td>3</td>
</tr>
<tr>
<td>CEEN 6420</td>
<td>Nonlinear Structural Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>
CEEN 6425  Earthquake Engineering  3
CEEN 6430  Advanced Steel Design  3
CEEN 6435  Structural Dynamics  3
CEEN 6440  FRP in Civil Engineering Infrastructure  3
CEEN 6450  Stability of Structures  3
CEEN 6650  Bituminous Materials  3
CEEN 6932  Advanced Topics in Civil Engineering:  1-3
CEEN 6995  Independent Study in Civil Engineering  1-3

Transportation (12 credits)
CEEN 5660  Pavement Management  3
CEEN 5670  Advanced Transportation Materials  3
CEEN 6310  Engineering Decisions Under Uncertainty  3
CEEN 6550  Environmental Impacts of Transportation  3
CEEN 6610  Advanced Traffic Characteristics and Design  3
CEEN 6615  Advanced Urban Street Design  3
CEEN 6620  Advanced Highway Interchange Design  3
CEEN 6630  Advanced Airport Planning and Design  3
CEEN 6635  Advanced Traffic Engineering  3
CEEN 6640  Advanced Traffic Management  3
CEEN 6645  Advanced Highway Planning and Design  3
CEEN 6660  Advanced Pavement Design  3
CEEN 6932  Advanced Topics in Civil Engineering:  1-3
CEEN 6995  Independent Study in Civil Engineering  1-3

Water and Wastewater Treatment Processes (12 credits)
CEEN 5310  Geographical Information Systems in Engineering and Planning  3
CEEN 5515  Environmental Chemistry  3
CEEN 5520  Industrial Wastewater Management  3
CEEN 5525  Treatment Plant Design and Operation  3
CEEN 5535  Environmental Engineering Microbiology  3
CEEN 5540  Municipal Solid Waste Management  3
CEEN 6510  Biochemical Transformations in the Environment  3
CEEN 6520  Environmental Laboratory 1 - Analyses  3
CEEN 6521  Environmental Laboratory 2 - Processes  3
CEEN 6530  Hazardous Waste Remediation Technologies  3
CEEN 6540  Physical and Chemical Processes of Environmental Engineering  3
CEEN 6932  Advanced Topics in Civil Engineering:  1-3
CEEN 6995  Independent Study in Civil Engineering  1-3

Water Resources Engineering (12 credits)
CEEN 5240  Water Resources Engineering  3
CEEN 5250  Groundwater Engineering  3
CEEN 5310  Geographical Information Systems in Engineering and Planning  3
CEEN 6220  Advanced Hydrology  3
CEEN 6230  Watershed Planning  3
CEEN 6240  Water Quality Modeling and Management  3
CEEN 6310  Engineering Decisions Under Uncertainty  3
CEEN 6932  Advanced Topics in Civil Engineering:  1-3
CEEN 6995  Independent Study in Civil Engineering  1-3

Civil Engineering Master’s Requirements
Students may earn a master’s degree under either Plan A (thesis) or Plan B (non-thesis). Regardless of the option chosen, at least one-half of the total course work requirement must be taken at the 6000-level. In most cases, master’s students are admitted to the program under Plan B but may transfer to Plan A with permission from their adviser. **Note:** Recipients of teaching or research assistantships are strongly encouraged to pursue Plan A (thesis option).

Plan A requires the student to complete 30 credit hours (24 hours of course work, 6 hours of thesis work), submit an approved thesis, and pass a final oral comprehensive examination (thesis defense). The comprehensive exam for Plan A is focused mainly on the student’s thesis topic.
Under the Plan B option, students must complete 30 credit hours of course work and pass a final comprehensive examination. The comprehensive exam for Plan B is usually an oral exam, administered by the student’s three-person master’s committee. The scope of the Plan B comprehensive exam may span the student’s entire body of course work.

Both Plans A and B require that at least 18 credit hours be from the Department of Civil, Construction and Environmental Engineering course offerings.

**Civil Engineering Doctoral Requirements**

A doctoral student must complete a program of study prepared in consultation with his or her doctoral adviser and outlined on an approved Doctoral Program Planning Form. This form must be submitted within the first year of the student’s doctoral studies. The program normally requires a minimum of 45 credit hours of course work beyond the baccalaureate degree plus 12 credit hours of dissertation work. In cases in which the student enters the program with a master’s degree in civil engineering or a closely related field, the student may request that the department and the Graduate School allow credits from the master’s degree to satisfy up to 21 credit hours of the required course work. Thus, a minimum of 24 credit hours of course work exclusive of the dissertation must be taken at Marquette University while the student is in the doctoral program. The student must also pass a doctoral qualifying examination (DQE) and submit and successfully defend a dissertation.

The DQE normally consists of both written and oral tests and is administered after the student has completed 30 to 36 credit hours of graduate study (inclusive of any approved credit hours from a previous master’s degree). Each faculty member on a doctoral candidate’s committee may submit questions for the written examination. The doctoral committee, as a whole, gives the oral examination.

The dissertation must represent an original research contribution showing high attainment and clear ability to do independent research. A public defense of the dissertation (the final oral examination) is administered after the student has completed all other formal requirements for the doctoral degree.
Electrical and Computer Engineering (EECE)

Chairperson: Edwin E. Yaz, Ph.D., P.E.
marquette.edu/engineering/electrical_computer/grad.shtml

Degrees Offered
Master of Science; Doctor of Philosophy; Certificate

Mission Statement
The Department of Electrical and Computer Engineering embraces the missions of Marquette University and its College of Engineering. The mission of the Department of Electrical and Computer Engineering is to offer its students high quality, up-to-date, nationally-recognized programs in electrical and computer engineering that prepare them for successful careers. This success is marked by a commitment to lifelong learning and a deep concern for the impact of their work on others, research that advances the frontiers of technical and scientific knowledge and service to professional and civic communities.

Specializations
M.S., Ph.D.: No formal specializations offered; however, students may focus their course work in one or more of the following areas: Signal Processing, Control Theory, Electromagnetic Fields and Waves, Power and Energy Systems, Solid State Devices and Sensor Systems, or Algorithms and Machine Learning.

Certification: Digital Signal Processing; Electric Machines, Drives and Controls; Microwaves and Antennas; Sensors and Smart Sensor Systems

Program Descriptions

Certificate Programs
The department offers several 12-credit non-degree graduate certificate programs. The certificate program is designed for practicing engineers and other qualified individuals with bachelor’s degrees, who wish to update and/or expand their knowledge in specific areas, but do not necessarily wish to pursue a master’s or doctoral degree. A student may complete more than one certificate program; however, credits used toward one certificate may not be used to meet the requirements of another. Up to a total of 12 credits earned in all certificate programs completed may also be used to meet master’s or doctoral degree requirements.

Graduate certificates are offered in the following four areas: digital signal processing; sensors and smart sensor systems; electric machines, drives and controls; and microwaves and antennas. Detailed requirements for these certificates are available from the department chairperson. In addition, certificates can be individually tailored to the needs of the student with the aid of an adviser and approval of the EECE graduate committee.

Degree Programs
The master of science and doctor of philosophy degree programs are designed to provide graduate students with both broad fundamental knowledge and up-to-date information on current and emerging technologies. Students may enroll on either a full-time or part-time basis (with the exception of the one-year residency requirement for doctoral students). Doctoral students and research-oriented master’s students engage in research activities under the close supervision of their advisers, gradually learning to become independent researchers. Their projects often are supported by government and industry grants. Courses and research activities make significant use of the department’s extensive laboratory and computer facilities. Graduates find employment in industry, research facilities, government and academia.

Prerequisites for Admission
Graduates of accredited colleges or universities with bachelor’s degree in electrical engineering, computer engineering or equivalent are eligible for admission. Only those applicants whose undergraduate records show promise of success in graduate study are admitted. To qualify for admission, applicants must have, as a minimum, approximately a B average in their total post-secondary school education.

A master of science degree or equivalent in an appropriate field of study is required for admission to the doctoral program. Applicants with bachelor’s degrees must first be admitted to and successfully complete the master of science degree program and may then continue into the doctoral program.

Application Requirements
Applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation.
5. GRE test scores (General Test only).
6. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.
7. (For non-degree certificate applicants only) a certificate course work planning form, prepared in consultation with an adviser from the department.

**General Information**

All admitted students are required to obtain and read the department’s Graduate Student Handbook (http://www.marquette.edu/engineering/electrical_computer/documents/gradhandbook2010.pdf), which contains complete details about the electrical and computer engineering programs and additional departmental degrees. This handbook is available through the Electrical and Computer Engineering Office, (414) 288-6820 and on the department’s graduate programs Web page at marquette.edu/engineering/electrical_computer/grad.shtml.

**Accelerated Bachelor’s–Master’s Degree Program**

The EECE Department offers an accelerated degree program where eligible students may obtain both a bachelor’s degree and an M.S.E.E. degree in five years. Students with a GPA of 3.500 or better in their mathematics, science and engineering courses are eligible to apply to this program in their junior year. This program is available to undergraduate students in electrical and computer engineering or in physics. Students wishing to participate in the five-year program must apply and be admitted to the program before their senior year.

**General Certificate Requirements**

Each graduate certificate program requires completion of four courses (12 credits) selected from a prescribed list of courses pertinent to the area of study, as indicated below. All courses taken must be approved for graduate credit and at least two of the courses must be strictly graduate level (6000 or 8000-level courses). Students must complete all courses within a three-year time period and must earn a grade point average of at least 3.000 with no grade below a C. Specific requirements are listed below.

**Digital Signal Processing Certificate Requirements**

Choose four courses (12 credits):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EECE 5510</td>
<td>Digital Signal Processing</td>
<td>3</td>
</tr>
<tr>
<td>EECE 5650</td>
<td>Introduction to Algorithms</td>
<td>3</td>
</tr>
<tr>
<td>EECE 5860</td>
<td>Introduction to Neural Networks and Fuzzy Systems</td>
<td>3</td>
</tr>
<tr>
<td>EECE 5870</td>
<td>Evolutionary Computation</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6010</td>
<td>Advanced Engineering Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6020</td>
<td>Probability and Random Processes in Engineering</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6510</td>
<td>Optimal and Adaptive Digital Signal Processing</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6520</td>
<td>Digital Processing of Speech Signals</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6530</td>
<td>Chaos and Nonlinear Signal Processing</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6540</td>
<td>Digital Image Processing</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6820</td>
<td>Artificial Intelligence</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6830</td>
<td>Pattern Recognition</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6840</td>
<td>Neural Networks and Neural Computing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electric Machines, Drives and Controls Certificate Requirements**

Choose four courses (12 credits):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EECE 5210</td>
<td>Design and Analysis of Electric Motor-Drive Systems</td>
<td>3</td>
</tr>
<tr>
<td>EECE 5240</td>
<td>Protection and Monitoring of Electric Energy Systems</td>
<td>3</td>
</tr>
<tr>
<td>EECE 5250</td>
<td>Transients in Electric Energy Systems and Devices</td>
<td>3</td>
</tr>
<tr>
<td>EECE 5310</td>
<td>Control Systems</td>
<td>3</td>
</tr>
<tr>
<td>EECE 5320</td>
<td>Digital Control Systems</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6010</td>
<td>Advanced Engineering Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6020</td>
<td>Probability and Random Processes in Engineering</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6210</td>
<td>Advanced Electric Machines and Drives</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6220</td>
<td>Advanced Concepts in the Design and Modeling of Electric Machines and Drives</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6230</td>
<td>Finite Element Analysis</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6310</td>
<td>Modern Control Theory</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6320</td>
<td>Optimal Control</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6330</td>
<td>Nonlinear and Adaptive Control</td>
<td>3</td>
</tr>
</tbody>
</table>
Microwaves and Antennas Certificate Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EECE 6010</td>
<td>Advanced Engineering Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6020</td>
<td>Probability and Random Processes in Engineering</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6110</td>
<td>Advanced Electromagnetic Fields</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6120</td>
<td>Electromagnetic Theory</td>
<td>3</td>
</tr>
</tbody>
</table>

Sensors and Smart Sensors Systems Certificate Requirements

Choose four courses (12 credits):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EECE 5460</td>
<td>Sensor Devices: Theory, Design and Applications</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6010</td>
<td>Advanced Engineering Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6020</td>
<td>Probability and Random Processes in Engineering</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6420</td>
<td>Infrared and Photonics Sensors: Theory and Applications</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6430</td>
<td>Microelectromechanical Systems and Sensors</td>
<td>3</td>
</tr>
<tr>
<td>EECE 6450</td>
<td>Surface-Acoustic-Wave Devices</td>
<td>3</td>
</tr>
</tbody>
</table>

Electrical and Computer Engineering Master’s Requirements

The EECE department offers two options for earning a master’s degree, a thesis option (Plan A) and a non-thesis option (Plan B). By the end of the first semester of full-time studies, all master’s students must select and meet with the academic adviser and together complete a Master’s Program Planning Form, including identifying whether they wish to pursue the thesis or non-thesis option as well as listing a proposed set of courses for their program of study. This program of study must be approved by the adviser and the EECE director of graduate studies, as well as the Graduate School. Courses must form a cohesive overall plan of study as determined mutually by each student and his or her adviser.

In the thesis option, 30 credit hours are required: 24 credit hours of course work plus 6 credit hours of EECE 6999 Master’s Thesis. At least 18 of the 24 credits of course work must be taken in EECE. At least one half of the minimum total course program (i.e., 12 hours exclusive of thesis) and of the EECE course program (i.e., 9 hours exclusive of thesis but including the required courses EECE 6010 Advanced Engineering Mathematics and EECE 6020 Probability and Random Processes in Engineering) must be taken at the strictly graduate level (6000 or 8000-level). Students in the master’s thesis option must also successfully complete and defend a research thesis under the guidance of their faculty advisers and thesis committees.

In the non-thesis option, 30 credit hours, at least 21 of which must be in EECE, are required. At least 18 credits of the total program course work and at least 12 credits of the EECE course work (including EECE 6010 Advanced Engineering Mathematics and EECE 6020 Probability and Random Processes in Engineering) must be taken at the strictly graduate level (6000 or 8000-level). In addition, independent study and research seminar credits are not permitted in this program option. Students in the master’s non-thesis option must also successfully pass a written comprehensive examination prior to graduation. The exam covers material from the two required core courses EECE 6010 Advanced Engineering Mathematics and EECE 6020 Probability and Random Processes in Engineering, plus one additional focus area identified by students and their advisers.

Full details of the master’s degree programs can be found in the EECE Graduate Student Handbook (http://www.marquette.edu/engineering/electrical_computer/documents/gradhandbook2010.pdf).

Electrical and Computer Engineering Doctoral Requirements

The doctoral program requires a total of 24 post-master’s credit hours of course work, plus an additional 12 dissertation credits. (A master’s degree is considered to be the equivalent of 24 course work credits, so that this course work requirement is the equivalent of 48 credits beyond the bachelor’s degree, exclusive of dissertation credits.)

The only required courses for the doctoral program are EECE 6010 Advanced Engineering Mathematics and EECE 6020 Probability and Random Processes in Engineering typically taken in the first year of study. Courses must form a cohesive overall plan of study as determined mutually by each student and their adviser.

Doctoral students are required to take the doctoral written qualifying examination by the beginning of their fourth semester of study. The WQE is a written exam, administered twice a year. Following successful completion of the WQE, students become doctoral candidates and move forward with pursuing their dissertation research. This process includes formation of a faculty dissertation committee, presentation of an oral proposal and dissertation outline and finally a public dissertation defense of their work.

Full details of the doctoral program can be found in the EECE Graduate Student Handbook (http://www.marquette.edu/engineering/electrical_computer/documents/gradhandbook2010.pdf).
Healthcare Technologies Management (HCTM)

Chairperson: Kristina M. Ropella, Ph.D.
Director of Graduate Studies: Jay R. Goldberg, Ph.D., P.E.
marquette.edu/engineering/hctm/

Degree Offered
Master of Science, Plan B only

Program Description
The healthcare technologies management program is a collaborative effort between Marquette University and the Medical College of Wisconsin that combines management, technology and health care. The objective of the program is to educate professionals capable of managing the design, development, commercialization and regulatory compliance of diagnostic and therapeutic medical devices, and the implementation, utilization and assessment of hospital-based healthcare technologies.

Healthcare institutions, medical device companies, and healthcare consulting firms have a growing need for skilled professionals with technical and managerial skills, and an understanding of healthcare delivery and regulatory environments. Graduates of the program will have the education and skills needed to pursue career opportunities in clinical, industrial, and consulting environments. The program meets the needs of recent undergraduates seeking an advanced degree as well as employed engineers interested in opportunities to prepare for career advancement.

Elective courses, professional projects and internship opportunities enable students to customize their training to meet individual needs, interests and career goals. With the assistance of a faculty and industry/clinical adviser, students are required to design and complete a professional project in healthcare technologies management. This project will help develop skills that will be useful in the clinical or industrial environment.

The course offerings and schedules are designed to allow working students to pursue this master of science degree on a part-time basis. Full-time students can complete the program in three terms (12 months). Course topics include: technology assessment, ethics of technology utilization, standards and regulations, product development and the environment of healthcare delivery.

Students who do not have an adequate undergraduate background in business may also be required to complete one or more of the following graduate business foundation courses in preparation for the core business courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCO 6000</td>
<td>Accounting Foundations</td>
<td>2</td>
</tr>
<tr>
<td>ECON 6000</td>
<td>Economics Foundations</td>
<td>2</td>
</tr>
<tr>
<td>INTE 6000</td>
<td>Information Technology Foundations</td>
<td>2</td>
</tr>
<tr>
<td>MANA 6000</td>
<td>Mathematics Foundations</td>
<td>2</td>
</tr>
<tr>
<td>MANA 6001</td>
<td>Statistics Foundations</td>
<td>2</td>
</tr>
</tbody>
</table>

Also see the Graduate School of Management Bulletin’s transfer of credit policy (p. 30) regarding maximum business course transfer limits and requirements.

Prerequisites for Admission
Applications are accepted from students who have already completed a bachelor’s degree in engineering, physics or a related field from an accredited institution with a minimum GPA of 3.000 (on a 4.00 scale).

Application Requirements
Applicants must submit, directly to the Marquette University Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation.
4. A statement of purpose stating career goals and how the program will help in reaching those goals.
5. GRE (General Test only) average score of 60% minimum, GMAT, or Medical College Admission Test (MCAT), average of 9 on the individual scores. (Waived for individuals with a doctoral degree.)
6. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency. A minimum score of 580 on the paper-based version or 237 on the computer-based version is required. Minimum scoring for the Internet-based version is still being established for this program.

General Information
All admitted students are required to obtain and follow the department’s Graduate Student Handbook (http://www.marquette.edu/engineering/biomedical/documents/GradHandbookfinaldraftNov_08.pdf), which contains complete details about the program and degree
Healthcare Technologies Management Master’s Requirements

The program consists of 37.5 credit hours. All students are required to take the following courses.

### Marquette University Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCO 6000</td>
<td>Accounting Foundations</td>
<td>2</td>
</tr>
<tr>
<td>ACCO 6100</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>FINA 6100</td>
<td>Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>HCTM 6200</td>
<td>Health Care Technology Assessment</td>
<td>3</td>
</tr>
<tr>
<td>HCTM 6500</td>
<td>Product Development of Medical Devices</td>
<td>2</td>
</tr>
<tr>
<td>HCTM 6931</td>
<td>Topics in Health Care Technologies Management</td>
<td>0.5</td>
</tr>
</tbody>
</table>

- **Fall:** Communication Skills for Technical Managers
- **Spring:** Making the Transition from Engineer to Manager

### Medical College of Wisconsin Courses

For each course listed below, students must register for HCTM 6946 Medical College of Wisconsin/HCTM-Joint Degree through MU and for the matching MCW course through MCW.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCTM 6946</td>
<td>Medical College of Wisconsin/HCTM-Joint Degree (and MCW 14200 Survey of Biomedical Engineering Technology)</td>
<td>3</td>
</tr>
<tr>
<td>HCTM 6946</td>
<td>Medical College of Wisconsin/HCTM-Joint Degree (and MCW 14211 Biomedical Technology Standards and Regulations)</td>
<td>2</td>
</tr>
<tr>
<td>HCTM 6946</td>
<td>Medical College of Wisconsin/HCTM-Joint Degree (and MCW 14212 Ethics of Technology Utilization)</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Total Credit Hours 31

Elective courses - must be approved by program director.

Total Credit Hours 6.5
Mechanical Engineering (MEEN)

Chairperson: Kyuil Kim, Ph.D., P.E.
marquette.edu/engineering/mechanical/grad.shtml

Degrees Offered

Master of Science, students are admitted under Plan A (thesis option) or Plan B (non-thesis option) is also offered; Doctor of Philosophy

Mission Statement

In embracing the missions of the university and the College of Engineering, it is the mission of the Department of Mechanical Engineering to offer high quality, up-to-date, nationally-recognized engineering programs that prepare students for successful careers. This success is marked by the graduates' commitment to lifelong learning, a deep concern for the impact of their work on others, research that advances technical and scientific knowledge and service to professional and civic communities. The department also strives to develop students and faculty who will be recognized as exceptional in their pursuit of excellence, sense of community, spirit of collaboration and ability to define problems and accomplish goals.

Specializations

Energy Systems, Manufacturing Systems, Mechanical Systems

Program Descriptions

The Department of Mechanical Engineering offers a master's and a doctoral program in mechanical engineering.

Course work and research in the mechanical engineering program may involve the broad fundamentals of mechanical engineering or may concentrate on one or more of the following fields: energy systems, manufacturing systems and mechanical systems. In these fields, engineering principles are applied not only to traditional equipment and methods but also to modern and emerging technologies. Typically, the engineering course work and research are augmented by laboratory studies. Although the study of advanced engineering mathematics and, often, basic science is necessary in all programs of study, the selection of subjects may vary depending upon the field of specialization and the student's professional objectives.

Energy Systems

A concentration in energy systems typically entails advanced study of a) thermodynamics, fluid mechanics, heat and mass transfer and combustion; b) the application of these principles to phenomena and devices which constitute energy-conversion systems; and c) the analysis, simulation and design of such systems as well as plants; e.g., chemical, metallurgical, food, etc., which are energy-intensive. Current research topics include: plant optimization, fuel cells, cogeneration systems, fluid mechanics and heat transfer in surface mount technology, engine emissions/process effluents and jet engine propulsion systems.

Manufacturing Systems

A concentration in manufacturing systems engineering allows students to focus on a broad range of topics. These topics range from micro issues, such as material-related issues and cutting mechanisms in material removal processes, to macro analysis of complex manufacturing systems from either a process or ergonomics perspective. The focus of this concentration may be computer integrated manufacturing, material processing, mechanical behavior of materials, manufacturing processes, quality systems or ergonomics within manufacturing. Normally, each of these multi-disciplinary areas requires certain core courses along with specialized studies, which may include advanced courses in other engineering disciplines, courses in mathematics and statistics and/or courses in business administration. Current research topics include: cellular manufacturing, polishing and mass finishing processes, rapid prototyping, robotic systems, production integration (JIT, TQC, CIM), ergonomics of assembly operations, reliability/quality estimation, human performance and safety evaluation and materials forming and joining processes.

Mechanical Systems

A concentration in mechanical systems typically entails advanced study of a) mechanical system design and analysis and b) modeling, simulation, and control. Mechanical design and analysis focuses on the use of physical and mathematical principles to understand the behavior of mechanical systems. It includes computer-aided optimal design, such as the design of multi-body, multi-degree-of-freedom mechanical systems. Modeling, simulation and control involve the study of theoretical mechanics in conjunction with computational applications including advanced dynamics, kinematics and stress analysis. Other applications include the modeling and control of manufacturing processes, including robotics and automated deformation processing. Current research areas include: surface mount technology, composite and polymeric materials, control in automated assembly, surface finishing processes, design of compliant machine tools, metal cutting/forming mechanics, finite element methods and pressure vessels comprised of multi-layered composites.

Prerequisites for Admission

Adequate preparation in engineering, mathematics and science is required. If an applicant does not have an adequate undergraduate background, some remedial studies may be necessary, depending upon the graduate field of specialization the applicant selects.
Application Requirements

Applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation.
4. (For doctoral applicants only) a brief statement of purpose and copies of any published work, including master’s thesis and essays.
5. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.
6. GRE scores (General Test only). Scores from the GRE exam are a requirement of admission for all students in the master’s, doctoral, and accelerated degree programs.

Accelerated Bachelor’s–Master’s Degree Program

This program enables students to earn both their master of science degree in mechanical engineering and a bachelor of science degree from the College of Engineering in the span of five years. Only the thesis option is available with this program. Qualified students (3.500/4.000 GPA) who are enrolled in the Mechanical Engineering Department at Marquette University may apply for admission to this program during their undergraduate junior year. Students must submit an application to the Graduate School, indicate their interest in the five year program, and meet all other admission criteria as stated in the Application Requirements section.

Students select graduate level courses in their senior undergraduate year as their electives; these elective courses double-count toward the undergraduate and graduate degrees. However, only a maximum of 6 credit hours will apply toward the graduate degree. Upon completion of the first term as a master’s candidate, the student must petition the Graduate School to transfer courses taken as an undergraduate to the master’s degree.

Students begin their research for the thesis the summer between their junior and senior years. Their research is continued the summer between their senior and fifth years and throughout their fifth year, culminating in the preparation of a written thesis and defense.

Mechanical Engineering Master’s Requirements

A master’s student may pursue a thesis program (Plan A) or a non-thesis program (Plan B). However, students who intend to continue for the doctoral degree and those students who are receiving financial aid in the form of assistantships must select the thesis option. In Plan A, the student must complete 24 credit hours of course work, 6 credit hours of thesis work, and submit an approved thesis. In Plan B, the student must complete 33 credit hours of course work. A student in either the Plan A or the Plan B option must take a minimum of 3 credit hours of an approved math course (MEEN 6101 Advanced Engineering Analysis 1, MEEN 6102 Advanced Engineering Analysis 2, or MEEN 6103 Approximate Methods in Engineering Analysis). A minimum of one-half of the total course work requirement in both plans must be 6000-level. All students are required to take at least one-half of their total course work from the Department of Mechanical Engineering course offerings. A maximum of 6 credit hours of graduate level credit from other accredited institutions may be accepted toward the requirements of the degree. All doctoral students are required to participate in the department graduate seminar activities and complete all university Graduate School requirements. Any exceptions to these requirements must be approved by the Graduate Committee.

Master’s Learning Outcomes

1. Apply knowledge of specialized mechanical engineering concepts in engineering analysis and design in a chosen area of specialization.
2. Effectively communicate ideas on design and analysis to peers, clients and customers.
3. Conduct guided research in a chosen area of specialization.

Mechanical Engineering Doctoral Requirements

A doctoral student must complete a program of study prepared in collaboration with their permanent adviser and outlined on an approved Doctoral Program Planning Form. This form must be submitted within the first year of the student’s doctoral studies. The program normally requires 48 credit hours of course work beyond the baccalaureate degree, plus 12 credit hours of dissertation work. In cases in which the student enters the program with a master’s degree in mechanical engineering or a closely related field, the student may request that the department and the Graduate School allow credits from the master’s degree to satisfy up to 24 credit hours of the required course work. At least one-half of the total course work requirement must be from designated graduate-level courses. Students are required to take at least one-half of their total course work from the Department of Mechanical Engineering course offerings. A maximum of 6 credit hours of graduate-level credit from other accredited institutions may be accepted toward the requirements of the degree. Independent study course work can account for a maximum of 3 credit hours. All doctoral students are required to participate in the department graduate seminar activities and complete all university Graduate School requirements.
A doctoral student must complete a departmental written proficiency exam prior to completion of the Marquette University doctoral residency requirement. This exam will be comprised of two components, one component being engineering mathematics and the other representing the student’s declared area of specialization: energy systems, manufacturing systems or mechanical systems. This examination is based upon material presented in the advanced undergraduate and master’s degree level course work (approved math courses are MEEN 6101 Advanced Engineering Analysis 1, MEEN 6102 Advanced Engineering Analysis 2 and MEEN 6103 Approximate Methods in Engineering Analysis).

A student must pass a doctoral qualifying examination (DQE) administered by their doctoral committee within one academic year after completing course work requirements. This exam must be passed at least one year prior to the submission and successful public defense of the dissertation. The dissertation must represent an original research contribution and demonstrate both high scholarly achievement and the ability to conduct independent research.

**Doctoral Learning Outcomes**

1. Apply knowledge of advanced concepts (i.e., concepts beyond those learned during the master of science program) in engineering mathematics and two out of three areas of specializations offered in the department (mechanical systems, energy systems, manufacturing systems).
2. Communicate ideas (specific to an area of specialization) via peer reviewed published and/or presented materials.
3. Conduct original research in a chosen area of specialization.
English (ENGL)

Chairperson: Krista L. Ratcliffe, Ph.D.
marquette.edu/english/graduate/index.shtml

Degrees Offered
Master of Arts, Plan B (non-thesis option) only; Doctor of Philosophy

Specializations
Master’s: British and American Literature
Doctoral: American Literature, British Literature

Program Descriptions
The master of arts program in English provides broad coverage of the texts of English and American literature. Through seminar courses, students develop extensive knowledge of literature and demonstrate skill in writing. Students who complete the master’s program at Marquette normally find themselves well prepared for doctoral studies.

The doctorate in English is directed toward comprehensive and intensive knowledge of: literature and language with specialization in one area of British or American literature; the textual, editorial and critical problems and backgrounds of major texts and authors; the principles of literary criticism; the basic tools, methods and application of literary and linguistic research; and pedagogical problems. The program provides practical experience in the teaching of literature, rhetoric and composition to meet the needs of contemporary college education for creative scholars to teach and do research in English.

Teaching and research assistantships are available to candidates for both degrees on a competitive basis. Teaching assistants must successfully complete ENGL 6840 Studies in Rhetoric and Composition Theory: (or equivalent), an orientation program and a weekly practicum. ENGL 6840 Studies in Rhetoric and Composition Theory: will count toward the total degree requirements of both the master of arts and the doctorate.

Prerequisites for Admission
Applicants are expected to have adequate preparation in English and related subjects. A well-rounded program of undergraduate English courses (26 to 30 semester hours) is required. An applicant for the doctoral program must have a master of arts in English.

Application Requirements
Applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation.
5. One or two writing samples.
6. GRE scores (General Test only).
7. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

English Master’s Requirements
A master’s student is admitted to the Plan B (non-thesis) program which requires 30 credit hours of course work beyond the bachelor’s degree. At least 24 credits must be taken in English Department courses, and at least 24 credits in graduate courses at the 6000-level.

All master’s students must pass a written comprehensive examination to complete the program.

Scope of Knowledge
The department awards a master of arts degree after a student has demonstrated the ability to perform well in the prescribed courses and has passed a comprehensive examination. While we expect our students to distinguish themselves in both areas, we also see these as distinct fields. Achievement in one area does not preclude the need to establish the ability to succeed in the other, nor does achievement in one area guarantee success in the other.

Program Details
A master’s student is required to complete a combined undergraduate and graduate program that includes at least one upper-division or graduate course in each of the following groups. The Marquette courses listed form the models for courses taken elsewhere that will satisfy
the program requirements. Students are expected to take 6000-level courses wherever possible, and should consult the rotation of graduate courses schedule on the English graduate Web page at marquette.edu/english/graduate/index.shtml.

### Language and Linguistics

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 6205</td>
<td>Studies in Language and Linguistics: (also ENGL 6200, ENGL 6210 when content is linguistics)</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 5110</td>
<td>English Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 5120</td>
<td>Structure of the English Language</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 5130</td>
<td>History of the English Language</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 5170</td>
<td>Studies in Language</td>
<td>3</td>
</tr>
</tbody>
</table>

### Chaucer and/or Medieval Literature

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 6210</td>
<td>Studies in English Literature, the Beginnings to 1500</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 5410</td>
<td>British Literature to 1500</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 5620</td>
<td>Chaucer</td>
<td>3</td>
</tr>
</tbody>
</table>

### Shakespeare

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENGL 6220</td>
<td>Studies in Shakespeare:</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 5630</td>
<td>Shakespeare’s Major Plays</td>
<td>3</td>
</tr>
</tbody>
</table>

### Renaissance Literature

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>ENGL 6215</td>
<td>Studies in Renaissance Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 5420</td>
<td>Renaissance Literature: The 16th Century</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 5430</td>
<td>Renaissance Literature: The 17th Century</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 5640</td>
<td>Milton</td>
<td>3</td>
</tr>
</tbody>
</table>

### Restoration and Eighteenth-Century British Literature

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 6300</td>
<td>Studies in Restoration and Eighteenth Century Literature:</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 5440</td>
<td>The Ages of Dryden and Pope: 1660-1744</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 5450</td>
<td>The Age of Johnson: 1744-1790</td>
<td>3</td>
</tr>
</tbody>
</table>

### Nineteenth-Century British Literature

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 6400</td>
<td>Studies in Nineteenth-Century British Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 5460</td>
<td>The Romantic Period: 1790-1837</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 5470</td>
<td>Victorian Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

### American Literature Before 1900

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 6600</td>
<td>Studies in American Literature from the Beginnings to 1900</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 5510</td>
<td>Colonial and American Literature from the Beginnings to 1798</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 5520</td>
<td>American Literature from 1798 to 1865</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 5530</td>
<td>American Literature from 1865 to 1914</td>
<td>3</td>
</tr>
</tbody>
</table>

### Twentieth-Century Literature, British or American

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 6500</td>
<td>Studies in Twentieth-Century British Literature:</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 6700</td>
<td>Studies in Twentieth-Century American Literature:</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 5480</td>
<td>The Modernist Period in British Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 5490</td>
<td>The Postmodernist Period in British Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 5550</td>
<td>Twentieth Century American Literature: The Modern Period</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 5560</td>
<td>The Contemporary Period in American Literature: 1945 to Present</td>
<td>3</td>
</tr>
</tbody>
</table>

### Introduction to Modern Critical Theory and Practice

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 6820</td>
<td>Studies in Modern Critical Theory and Practice:</td>
<td>3</td>
</tr>
</tbody>
</table>

### English Doctoral Requirements

A doctoral student will follow a program of study defined, in conjunction with an adviser, on an approved Doctoral Program Planning Form. A minimum of 54 credit hours of course work is required beyond the bachelor’s degree (24 credit hours beyond the master’s degree) plus 12 hours of dissertation credit. A doctoral student must show competence in one foreign language in which there is significant scholarly literature in his or her program field. The choice of language must be approved by the director of graduate studies. The student must complete all requirements listed on the Doctoral Program Planning Form, pass a qualifying examination and successfully defend a dissertation to complete the program.
Program Details
A doctoral student is expected to complete the requirements defined for the master’s program, but must include ENGL 8282 Studies in Modern Critical Theory and Practice; and ENGL 8830 Dissertation Tutorial. Additional course work for the doctorate will be recommended or required according to the needs of the student and will be defined on the Doctoral Program Planning Form. Students are individually advised at each registration.
Foreign Languages and Literatures (FOLL)

Chairperson: Anne M. Pasero, Ph.D.
marquette.edu/fola/grad_director_intro.shtml

Degrees Offered
Master of Arts, Plan B only

Specialization
Spanish

Program Description
The Department of Foreign Languages and Literatures’ graduate program in Spanish is designed to provide students with a broad background in Spanish language, literature, culture and language teaching methodology. The majority of the department’s graduates have entered teaching careers, continued on to doctoral studies or secured a position in business or government. Students in the program form a small and relatively intimate group. Graduate seminars are kept small, averaging ten students, and students are given individual guidance throughout their course of study.

Teaching assistantships in Spanish are available to candidates on a competitive basis. Teaching assistants are required to take SPAN 6000, Teaching College Spanish (3 sem. hrs.), their first fall semester in the program.

Prerequisites for Admission
Applicants for the master of arts program must have a bachelor’s degree, or the equivalent foreign degree, from an accredited institution.

Applicants with an undergraduate major in Spanish are expected to have completed 24 credit hours of course work beyond the intermediate level, including work in composition, conversation and advanced work in literature. Applicants with an undergraduate minor in Spanish are expected to have completed 15 credit hours of course work beyond the intermediate level, including a survey course in literature and a course in composition and conversation. Applicants must have an undergraduate grade point average equivalent of B or above (3.000 on a 4.000 scale). Native speakers of the language, who have an undergraduate degree in the humanities, are also eligible.

Application Deadline
To be considered for admission, all application requirements must be completed and received in the Graduate School by Dec. 15.

Application Requirements
Applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation.
4. A writing sample in Spanish. This can be a term paper from one of the applicant’s undergraduate Spanish courses.
5. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.
6. (For teaching assistantships in Spanish) a tape recording (no longer than 5 minutes) of their foreign speaking voice. The tape should include a reading from a prose passage and some free conversation. Foreign applicants should make a similar recording in English. The recording should be submitted directly to the director of graduate studies or the chair of the department.

Foreign Languages and Literatures Master’s Requirements
Students must pursue the Plan B course of study. Plan B students are required to complete 30 credit hours of course work. A thesis is not required.

Course Work
At least half of the student’s work as a graduate student must be in courses numbered 6000 and above. Students are required to complete a total of 30 credit hours with one 5000-level or 6000-level course in each of the six areas listed below. The remaining 12 credits are to be chosen from the courses offered in each area and subfield on which the student decides to be tested for the master of arts comprehensive examination.

1. Early Hispanic Literature
   Subfields:
• Medieval Spanish Literature
• Golden Age Spanish Literature

2. Early Spanish-American Literature
   Subfields:
   • 15th to 17th Centuries: Pre-Columbian to Baroque Period
   • 18th and 19th Century Spanish-America

3. Modern and Contemporary Peninsular Spanish Literature
   Subfields:
   • 18th and 19th Century Spanish Literature
   • 20th and 21st Century Spanish Literature

4. Modern and Contemporary Spanish-American Literature
   Subfields:
   • Modernismo and Vanguardismo (1886-1940)
   • Boom to 21st Century (1940-today)

5. Language and Linguistics
   Subfields:
   • Second Language Acquisition and Pedagogy
   • Synchronic Linguistics
   • Diachronic Linguistics

6. Hispanic Cultural Studies
   Subfields:
   • Peninsular Spanish Culture and Cinematography
   • Spanish-American Culture and Cinematography
   • U.S. Latino(a) Literature, Culture and Cinematography

Note: A course may not be used to fulfill more than one area of study. Depending on the topic, SPAN 6931 Topics in Spanish Language, Culture and Literature may be repeated, and can be used to fulfill the appropriate area of study. All 5000-level courses will require additional work at the graduate level, such as readings, writing assignments and oral presentations.

Comprehensive Examinations
Candidates for the master of arts degree must pass written and oral comprehensive examinations based on the material covered in the student’s course work and the master’s reading list to complete the program. Examinations are normally given in November and March. Exceptions must be approved by the director of graduate studies and the department chair.

Candidates will select, in advance, a total of five subfields from three of the six areas listed above upon which to be tested. The exam must be written in Spanish.

The oral portion of the comprehensive examination will take place approximately one week following the written exam. The student will be asked to elaborate upon, clarify and/or correct information given in the written exam. No new material will be introduced during this session. The student’s overall performance will not be evaluated until after this session.

The examining committee will be composed of three to five faculty members chosen by the director of graduate studies in consultation with the student and the department chair. Details on examinations, the master’s reading list, and sample questions are available from the department office.

Reading Knowledge Courses
Reading Knowledge Courses, preparatory to doctoral language examinations, are offered in the following languages:

<table>
<thead>
<tr>
<th>Course</th>
<th>Language for Reading Knowledge</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREN 6204</td>
<td>French for Reading Knowledge</td>
<td>3</td>
</tr>
<tr>
<td>GRMN 6204</td>
<td>German for Reading Knowledge</td>
<td>3</td>
</tr>
<tr>
<td>GREK 6204</td>
<td>Greek for Reading Knowledge</td>
<td>3</td>
</tr>
<tr>
<td>LATN 6204</td>
<td>Latin for Reading Knowledge</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 6204</td>
<td>Spanish for Reading Knowledge</td>
<td>3</td>
</tr>
</tbody>
</table>

Students registered for 6204 Reading Knowledge Courses and wishing to withdraw must do so formally in the Graduate School office.

Graduate Foreign Language Proficiency Exam
Students taking the Foreign Language Proficiency Exam outside of the 6204 courses offered must register for the Graduate Foreign Language Proficiency Exam for the specific language (FREN 9831, GRMN 9831, etc.) through CheckMarq. Upon prior approval from the
Department of Foreign Languages and Literatures, students must register for FOLA 9830 for languages other than Arabic, Chinese, French, German, Greek, Italian, Japanese, Latin or Spanish. Exams will be offered once per term. A $100 processing fee will be charged per exam.
Graduate Professional Studies

Programs Director: Jay L. Caulfield, Ph.D.
marquette.edu/cps/graduate_programs_index.shtml

Marquette’s graduate professional studies programs prepare professionals for positions of leadership in public, not-for-profit and for-profit organizations — locally, nationally and globally. The rigorous curriculum and unique, interdisciplinary approach prepare students to meet society’s ever-changing challenges. The College of Professional Studies offers degrees and/or certificates in: criminal justice administration, dispute resolution, leadership studies, nonprofit sector administration, public service and sports leadership.
Criminal Justice Administration (CJAD)

Program Director: Jay L. Caulfield, Ph.D.
www.marquette.edu/cps/graduate_programs_index.shtml

Degree Offered
Certificate

Program Description
The College of Professional Studies offers an online, non-degree graduate program leading to a certificate in criminal justice administration. This program offers law enforcement officers an opportunity to strengthen their leadership and management skills in order to better serve their departments and their communities while putting themselves in a good position for promotion.

Several objectives underlie the scope and content of the program:

1. Apply ethical frameworks to the frequently experienced ethical dilemmas, which will result in socially responsible policing.
2. Collaborate with communities in solving socially complex problems that are frequently linked to criminal behavior.
3. Achieve understanding of resource management and resource allocation in law enforcement in order to operate and evaluate the efficiency and effectiveness of a law enforcement agency.
4. Practice risk management principles to minimize civil liabilities by knowing the current legal responsibilities of law enforcement administrators.

Prerequisites for Admission
Applicants must have a baccalaureate degree from a college or university of recognized standing and must be an active law enforcement officer.

Application Requirements
Applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation.
4. Official test scores from the GRE (preferred), GMAT or LSAT. Waived if the applicant has completed any advanced degree from any school - M.A., M.S., M.B.A., Ph.D., J.D., or M.D.
5. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

Criminal Justice Administration Certificate Requirements
The certificate program requires completion of 15 credit hours online (five classes noted below). Students typically complete the program in one to two years.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJAD 6510</td>
<td>Policies in Policing</td>
<td>3</td>
</tr>
<tr>
<td>CJAD 6511</td>
<td>Legal Issues in Law Enforcement</td>
<td>3</td>
</tr>
<tr>
<td>CJAD 6931</td>
<td>Topics in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>PUBS 6571</td>
<td>Economics and Budgeting of Policing</td>
<td>3</td>
</tr>
<tr>
<td>PUBS 6581</td>
<td>Police Leadership and Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 15
Dispute Resolution (DIRS)

Program Director: Eva M. Soeka, J.D.
marquette.edu/cps/disputeresolution/grad.shtml

Degrees Offered
Master in Dispute Resolution; Graduate Certificate in Dispute Resolution

Program Descriptions
Dispute resolution is an interdisciplinary, graduate program leading to either a master’s degree or graduate certificate in dispute resolution. The program combines the fields of law, business, psychology, sociology, political science, health sciences, education and communication in dealing with today’s multi-faceted issues in resolving disputes. The program seeks to train professionals, primarily those in the fields of law, health care, education and business, to practice as third party neutrals in the field of dispute resolution, or to be knowledgeable participants in the dispute resolution process.

Master’s Degree Program
The College of Professional Studies offers a professional degree program leading to a master in dispute resolution (M.D.R.). With an emphasis on mediation and its applications, the primary program objective is to increase the knowledge and skill competency of working professionals across all disciplines. Students are expected to demonstrate their competency in dispute resolution theory and practice by employing critical thinking and the tools of research when completing either a master’s thesis or an integrative capstone project.

Certificate Program
The College of Professional Studies offers a 15 credit graduate certificate in dispute resolution. (For information on a master in leadership studies or a master of arts in public service with a specialization in dispute resolution, see Leadership Studies (p. 140) or Public Service (p. 147).) DIRS also offers a joint certificate program with the Law School.

Prerequisites for Admission
Applicants must have a baccalaureate degree from a college or university of recognized standing and minimally two years of work experience preferred.

Application Requirements
Applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation. Waived if M.D.R. or C.D.R. applicants are currently attending or have graduated from Marquette’s Law School. Waived if M.D.R. applicants graduated from the DIRS certificate program. Waived if M.D.R. or C.D.R. applicants have completed any advanced degree – M.A., M.S., M.B.A., Ph.D., J.D., or M.D.
4. GRE, GMAT, LSAT (applicants must score at the 50th or higher percentile), or MAT scores. Waived if the applicant has completed any advanced degree from any school – M.A., M.S., M.B.A., Ph.D., J.D., or M.D.
5. Applicants are expected to have a baccalaureate degree or its academic equivalent from a college or university of recognized standing, a grade point average of B (3.000 on a 4.000 scale) or above in undergraduate course work and background in an appropriate undergraduate major.
6. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

Dispute Resolution Master’s Requirements
The master’s degree requires completion of 33 credits. The degree requirements are as follows:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIRS 6600</td>
<td>Mediation</td>
<td>3</td>
</tr>
<tr>
<td>DIRS 6605</td>
<td>Advanced Mediation</td>
<td>3</td>
</tr>
<tr>
<td>DIRS 6610</td>
<td>Dispute Resolution Theory</td>
<td>3</td>
</tr>
<tr>
<td>DIRS 6964</td>
<td>Practicum in Dispute Resolution</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>1 of the following</td>
<td>6</td>
</tr>
<tr>
<td>DIRS 6998</td>
<td>Professional Project in Dispute Resolution (27 credit hours in course work plus 6 hours of project)</td>
<td></td>
</tr>
<tr>
<td>DIRS 6999</td>
<td>Master’s Thesis (27 credit hours in course work plus 6 hours of thesis)</td>
<td></td>
</tr>
<tr>
<td>DIRS 9984-86</td>
<td>Master’s Comprehensive Examination Preparation (33 credit hours of course work plus oral examination)</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>3 of the following</td>
<td></td>
</tr>
<tr>
<td>DIRS 6615</td>
<td>Advanced Issues in Dispute Resolution</td>
<td></td>
</tr>
</tbody>
</table>
**Programs**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIRS 6720</td>
<td>Arbitration</td>
</tr>
<tr>
<td>DIRS 6725</td>
<td>Negotiation</td>
</tr>
<tr>
<td>DIRS 6730</td>
<td>Dispute Resolution Systems Design</td>
</tr>
</tbody>
</table>

2 of the following electives (6)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIRS 6705</td>
<td>Dispute Resolution and the Family</td>
</tr>
<tr>
<td>DIRS 6710</td>
<td>Dispute Resolution and Education</td>
</tr>
<tr>
<td>DIRS 6715</td>
<td>Dispute Resolution and the Workplace</td>
</tr>
<tr>
<td>DIRS 6735</td>
<td>Dispute Resolution and Health Care</td>
</tr>
<tr>
<td>DIRS 6995</td>
<td>Independent Study in Dispute Resolution</td>
</tr>
</tbody>
</table>

**Total Credit Hours** 33

* See adviser.

Students must choose a thesis, a professional project or the comprehensive examination (following 6 additional credits of course work). Students choosing the thesis or professional project must submit the applicable outline to be approved by their faculty adviser, program director and by the Graduate School.

Regardless of the plan chosen, students must complete the program within six years. Students are expected to earn a B or above in all courses and must maintain a 3.000 cumulative grade point average to earn the master in dispute resolution. The M.D.R. requires 33 credits of dispute resolution courses.

**Dispute Resolution Certificate Requirements**

The certificate program requires completion of five courses (15 credits) selected from a prescribed list of DIRS courses. These five courses are required:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIRS 6600</td>
<td>Mediation (prerequisite)</td>
<td>3</td>
</tr>
<tr>
<td>DIRS 6605</td>
<td>Advanced Mediation</td>
<td>3</td>
</tr>
<tr>
<td>DIRS 6610</td>
<td>Dispute Resolution Theory</td>
<td>3</td>
</tr>
<tr>
<td>DIRS 6615</td>
<td>Advanced Issues in Dispute Resolution</td>
<td>3</td>
</tr>
<tr>
<td>DIRS 6964</td>
<td>Practicum in Dispute Resolution</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours** 15

Students must complete the certificate program within three years. Students are expected to earn a B or above in all courses and must maintain a 3.000 cumulative grade point average to earn the certificate in dispute resolution.

**Dispute Resolution-Law Joint Program of Study**

**Certificate – J.D. Degree**

The Center for Dispute Resolution Education, in conjunction with the Law School, offers a program of joint study leading to a certificate in dispute resolution (C.D.R.) and a juris doctor degree. Students seeking admission to the program must apply to the Law School and meet the Law School’s admission requirements. Students must simultaneously apply to the Graduate School, meeting the application requirements listed above. Students start this program as a law student. Upon completion of the law program, students will be officially admitted to the dispute resolution certificate program for completion of the remainder of the program.

Joint program students must have completed 27 credit hours at the Law School with a cumulative average of 2.00 before entering the graduate program in dispute resolution (DIRS). Students will be able to apply the nine credits taken in DIRS toward their juris doctor degree. Law students may take any of the certificate courses offered by DIRS for up to nine law school credits. A total of 15 credits are required for the C.D.R.

Law students must complete 9 DIRS credits to earn the certificate; of these 9 credits, six must be DIRS 6600 Mediation and DIRS 6605 Advanced Mediation.

To earn the joint C.D.R., a law student will be required to take the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIRS 6600</td>
<td>Mediation</td>
<td>3</td>
</tr>
<tr>
<td>DIRS 6605</td>
<td>Advanced Mediation</td>
<td>3</td>
</tr>
<tr>
<td>LAW 7982</td>
<td>Mediation Clinic</td>
<td>3</td>
</tr>
<tr>
<td>LAW 7987</td>
<td>Supervised Fieldwork</td>
<td>3</td>
</tr>
<tr>
<td>DIRS 6964</td>
<td>Practicum in Dispute Resolution</td>
<td>3</td>
</tr>
</tbody>
</table>

1 of the following

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIRS 6610</td>
<td>Dispute Resolution Theory</td>
<td></td>
</tr>
<tr>
<td>DIRS 6615</td>
<td>Advanced Issues in Dispute Resolution</td>
<td></td>
</tr>
</tbody>
</table>

an elective LAW course from a set list as approved by both the Center for Dispute Resolution and Law School.
A law student must complete 6 LAW credits and 9 DIRS credits to earn the joint certificate. There is no early or late date for pursuing the C.D.R. Some law students may come to the Law School having already decided to pursue the certificate. A student might wait until some Law School courses are completed and then decide to seek admission to the Graduate School in order to earn the certificate. The only requirement in this respect is that the student cannot wait so long that it becomes mathematically impossible to complete the requirements of both programs in four years (six years for part-time students). Law students must complete a Graduate School application; they do not need to submit test scores, transcripts or letters of recommendation.

In general, joint program students will pay tuition at the full-time (flat tuition) Law School rate while a full-time law student, regardless of whether or not they are taking additional graduate courses. Upon receiving the juris doctor degree, joint program students will pay Graduate School tuition at the per credit rate for graduate courses. Part-time law students will pay the per credit Law School rate for all courses.

Additional details about the C.D.R.–J.D. program are available from the Center for Dispute Resolution Education office or from the Law School Admissions office.
Leadership Studies (LEDR)

Program Director: Jay L. Caulfield, Ph.D.
www.marquette.edu/cps/graduate_programs_index.shtml

Degrees Offered
Master in Leadership Studies, Plan B only; Certificate

Specializations
Master’s: Criminal Justice Administration, Dispute Resolution, Engineering, Health Care Administration, Nonprofit Sector, Public Service, Sports Leadership
A general plan, requiring no specialization, is also available.

Certificate: None

Program Descriptions

Master’s Degree Program
The College of Professional Studies offers a professional degree program leading to the master in leadership studies (M.L.S.), where students may choose either a general plan or one of seven specializations.

Criminal Justice Administration
The criminal justice administration specialization seeks to produce broadly-educated, highly-motivated, thoroughly-trained professionals and scholars to meet the challenges of urban society. Several objectives underlie the scope and content of the program: 1) to provide urban stewards with an ethical and scholarly understanding of the issues and ramifications of current and anticipated policies in criminal justice; 2) to develop persons capable of exercising independent, analytical thought consistent with the needs of a democratic society; and 3) to provide a core of leaders familiar with the issues of criminal justice management and policy analysis.

Dispute Resolution
The dispute resolution specialization attempts to combine the fields of law, business, psychology, sociology, political science, health sciences, education, and communication in dealing with today’s multi-faceted issues in resolving disputes. The program seeks to train professionals, primarily those in the fields of law, health care, education, and business, to practice as third party neutrals in the field of dispute resolution, or to be knowledgeable participants in dispute resolution processes.

Marquette University also offers master’s and certificate programs in dispute resolution. (See the Program section of Dispute Resolution (p. 137) for description and details.)

Engineering
The engineering specialization offers students the opportunity to deepen an understanding of their own technical area of expertise or to gain an understanding of a technical area of engineering other than their own. This added technical expertise coupled with the leadership core will assist engineers in working more effectively on cross function engineering teams. Students will learn to serve as skilled leaders in an engineering environment, as well as integrate their leadership and technical skills when introducing new technology into their functional groups.

Health Care Administration
The health care administration specialization seeks to prepare working professionals to meet the leadership challenges of today’s health care system. As managed care and the integration of health care delivery continue to evolve, new skills and knowledge are needed to keep pace with current health care demands. The program provides a foundation in finance, economics, policy, leadership, systems, and outcome planning and evaluation, specifically related to the changing health care system. Through the many elective offerings (informatics, case management, marketing, program development, administrative practicum, conflict resolution, long-term care and more), students may explore a wide range of special interests.

Nonprofit Sector
The nonprofit sector specialization seeks to provide training for individuals who plan a career in the third sector. Administrative and leadership preparation are particularly central to this training as executives handle budgets, board memberships, personnel oversight, corporate statutes, and program development.

Public Service
The public service specialization prepares students to apply public service principals that encourage community engagement in urban environments and to apply frameworks to ethical dilemmas resulting in socially responsible public policy. Several objectives underlie the scope and content of this specialization: 1) to develop persons who can demonstrate the cultural and communication skills necessary to interact in a reciprocal exchange that honors the human dignity of all persons; 2) to develop persons who can apply theory and principals
of group dynamics when assuming multiple group roles and responsibilities; and 3) to provide urban stewards with the necessary skills to collaborate with community leaders in solving complex urban problems.

Marquette University also offers a master’s program in public service. (See the Program section of Public Service (p. 147) for description and details.)

Sports Leadership
The sports leadership specialization seeks to provide training and an understanding of the depth and unique character of the sports industry. With a heavy emphasis on the application of leadership principles and practices to the business of athletics, the specialization objective is to increase the competency of sports leadership professionals.

Marquette University also offers a stand-alone certificate program in sports leadership. (See the Program section of Sports Leadership (p. 151) for description and details.)

Certificate Program
The College of Professional Studies offers a 15 credit non-degree graduate program leading to the certificate in leadership studies. With a heavy emphasis on ethics and leadership, the program objective is to increase the leadership competency of working professionals in our community.

Prerequisites for Admission
Applicants to leadership studies must hold a baccalaureate degree, or its academic equivalent, from a college or university of recognized standing. The undergraduate background must be appropriate to the chosen course of study. Generally, applicants should have a minimum cumulative grade point average of 3.000 (on a scale of 4.000) in their undergraduate course work. Minimally two years of work experience is preferred.

Application Requirements
Applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation.
4. (For master’s applicants only) a statement of purpose.
5. Official test scores from the GRE (preferred), GMAT or LSAT. Waived if the applicant has completed any advanced degree from any school – M.A., M.S., M.B.A., Ph.D., J.D., or M.D.
6. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

Additional application requirements may be required for particular specializations. Students should contact the program adviser for details.

Leadership Studies Master’s Requirements
Students must complete a total of thirty-six (36) credit hours of course work for the master in leadership studies. Either the general plan or one of the seven specializations (criminal justice administration, dispute resolution, engineering, health care administration, nonprofit sector, public service, sports leadership) must be chosen.

Students must complete prescribed combinations of core leadership studies (LEDR) courses, plus specialization credits or elective credits for the general plan. Students must also choose one of three integrative learning options:

1. 6 credits of a professional project (LEDR 6998 Professional Project in Leadership Studies),
2. 6 credits of a research article of publishable quality (LEDR 6998 Professional Project in Leadership Studies), or
3. 6 credits of additional course work followed by a comprehensive examination.

For options 1 and 2 above, students must submit the project outline to be approved by their program adviser and by the Graduate School.

Students must complete the program within six years. Students are expected to earn a B or above in all courses and must maintain a 3.000 cumulative grade point average to earn the degree of master in leadership studies.

General Plan
Students that choose the leadership studies general plan must complete 36 graduate-level credits:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEDR 6000</td>
<td>History and Theory of Leadership and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6005</td>
<td>Self-Leadership</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6010</td>
<td>Conflict Resolution, Negotiation and Team Leadership</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6015</td>
<td>Influence of Leadership on Behavior in Organizations</td>
<td>3</td>
</tr>
</tbody>
</table>
LEDR 6020  Leaders as Worldly Citizens  3
LEDR 6025  Research Methods in Social Sciences  3
LEDR 6030  Qualitative Research In Leadership Studies  3
LEDR 6035  Applied Quantitative Methods in Leadership Studies  3
LEDR 6040  Introduction to Business Processes  3
3 credits of elective course work  3
One of the three integrative learning options outlined above.  6
Total Credit Hours  36

Specializations
Students that choose a specialization in criminal justice administration, dispute resolution, health care administration, nonprofit sector, or public service must complete 36 graduate-level credits: 18 credits of core course work, 12 credits in the area of specialization, and 6 credits for completing one of the three integrative learning options outlined above.

The engineering specialization requires 36 graduate-level credits: 15 credits of core course work, 15 credits in one of two engineering areas of study (electrical or mechanical), and 6 credits for completing one of the three integrative learning options listed above.

The sports leadership specialization requires 36 graduate-level credits: 15 credits of core course work, 15 credits in the area of specialization, and 6 credits for completing one of the three integrative learning options listed above.

Criminal Justice Administration
Students must complete a total of 36 credit hours of course work:

LEDR 6000  History and Theory of Leadership and Ethics  3
LEDR 6005  Self-Leadership  3
LEDR 6010  Conflict Resolution, Negotiation and Team Leadership  3
LEDR 6015  Influence of Leadership on Behavior in Organizations  3
or LEDR 6020  Leaders as Worldly Citizens
LEDR 6025  Research Methods in Social Sciences  3
LEDR 6030  Qualitative Research In Leadership Studies  3
or LEDR 6035  Applied Quantitative Methods in Leadership Studies
CJAD 6400  Critical Issues in Criminal Justice  3
CJAD 6405  Criminological Theory in Public Service and Social Policy  3
6 credits of elective specialization course work:  6
  CJAD 6410  Juvenile Justice
  CJAD 6415  Victims and Victims Policy
  CJAD 6420  Correctional Management and Policy Analysis
  CJAD 6425  Females: Offenders, Victims and Workers in the Criminal Justice System
  CJAD 6430  Clinical Issues in Criminal Justice
  CJAD 6435  Forensic Psychology in Criminal Justice
  CJAD 6440  Issues in Criminal Justice Policy-Making
  CJAD 6510  Policies in Policing *
  CJAD 6511  Legal Issues in Law Enforcement *
  CJAD 6931  Topics in Criminal Justice
  CJAD 6964  Practicum in Criminal Justice
  CJAD 6995  Independent Study in Criminal Justice
One of the three integrative learning options outlined above.  6
Total Credit Hours  36

* Law enforcement leadership and management certificate students only

Dispute Resolution
Students must complete a total of 36 credit hours of course work:

LEDR 6000  History and Theory of Leadership and Ethics  3
LEDR 6005  Self-Leadership  3
LEDR 6010  Conflict Resolution, Negotiation and Team Leadership  3
LEDR 6015  Influence of Leadership on Behavior in Organizations  3
or LEDR 6020  Leaders as Worldly Citizens
LEDR 6025  Research Methods in Social Sciences  3
LEDR 6030  Qualitative Research In Leadership Studies  3
or LEDR 6035  Applied Quantitative Methods in Leadership Studies
DIRS 6600  Mediation  3
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIRS 6605</td>
<td>Advanced Mediation</td>
<td>3</td>
</tr>
<tr>
<td>DIRS 6610</td>
<td>Dispute Resolution Theory</td>
<td>3</td>
</tr>
<tr>
<td>DIRS 6615</td>
<td>Advanced Issues in Dispute Resolution</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One of the three integrative learning options outlined above.</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td><strong>Total Credit Hours</strong></td>
<td><strong>36</strong></td>
</tr>
</tbody>
</table>

**Engineering**

Students must complete 36 graduate-level credit hours of course work:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEDR 6000</td>
<td>History and Theory of Leadership and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6005</td>
<td>Self-Leadership</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6010</td>
<td>Conflict Resolution, Negotiation and Team Leadership</td>
<td>3</td>
</tr>
<tr>
<td>or LEDR 6030</td>
<td>Qualitative Research in Leadership Studies</td>
<td></td>
</tr>
<tr>
<td>LEDR 6015</td>
<td>Influence of Leadership on Behavior in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>or LEDR 6020</td>
<td>Leaders as Worldly Citizens</td>
<td></td>
</tr>
<tr>
<td>LEDR 6025</td>
<td>Research Methods in Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One of the two engineering areas of study (Electrical or Mechanical)</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>One of the three integrative learning options outlined above.</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td><strong>Total Credit Hours</strong></td>
<td><strong>36</strong></td>
</tr>
</tbody>
</table>

**Students completing the electrical engineering area must complete:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEEC 5310</td>
<td>Control Systems</td>
<td>3</td>
</tr>
<tr>
<td>EEEC 5460</td>
<td>Sensor Devices: Theory, Design and Applications</td>
<td>3</td>
</tr>
<tr>
<td>EEEC 6430</td>
<td>Microelectromechanical Systems and Sensors</td>
<td>3</td>
</tr>
<tr>
<td>EEEC 6810</td>
<td>Algorithm Analysis and Applications</td>
<td>3</td>
</tr>
<tr>
<td>ENMA 6040</td>
<td>Lean Manufacturing Systems</td>
<td>3</td>
</tr>
<tr>
<td>or ENMA 6070</td>
<td>Engineering Project Management</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Credit Hours</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

**Students completing the mechanical engineering area must complete:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEEN 5275</td>
<td>Mechatronics</td>
<td>3</td>
</tr>
<tr>
<td>MEEN 5350</td>
<td>Transport Phenomena</td>
<td>3</td>
</tr>
<tr>
<td>MEEN 5410</td>
<td>Experimental Design</td>
<td>3</td>
</tr>
<tr>
<td>MEEN 6473</td>
<td>Computer Integrated Manufacturing</td>
<td>3</td>
</tr>
<tr>
<td>ENMA 6040</td>
<td>Lean Manufacturing Systems</td>
<td>3</td>
</tr>
<tr>
<td>or ENMA 6070</td>
<td>Engineering Project Management</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Credit Hours</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

**Health Care Administration**

Students must complete a total of 36 credit hours of course work:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEDR 6000</td>
<td>History and Theory of Leadership and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6005</td>
<td>Self-Leadership</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6010</td>
<td>Conflict Resolution, Negotiation and Team Leadership</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6015</td>
<td>Influence of Leadership on Behavior in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>or LEDR 6020</td>
<td>Leaders as Worldly Citizens</td>
<td></td>
</tr>
<tr>
<td>LEDR 6025</td>
<td>Research Methods in Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>or LEDR 6035</td>
<td>Applied Quantitative Methods in Leadership Studies</td>
<td></td>
</tr>
<tr>
<td>HEAL 6820</td>
<td>Health Care Program Development</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 6841</td>
<td>Health Care Finance</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 6848</td>
<td>Health Care Policy</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6009</td>
<td>Creating Nursing Care Systems</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One of the three integrative learning options outlined above.</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td><strong>Total Credit Hours</strong></td>
<td><strong>36</strong></td>
</tr>
</tbody>
</table>

**Nonprofit Sector**

Students must complete a total of 36 credit hours of course work:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>LEDR 6000</td>
<td>History and Theory of Leadership and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6005</td>
<td>Self-Leadership</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6010</td>
<td>Conflict Resolution, Negotiation and Team Leadership</td>
<td>3</td>
</tr>
</tbody>
</table>
Public Service

Students must complete a total of 36 credit hours of course work:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEDR 6000</td>
<td>History and Theory of Leadership and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6005</td>
<td>Self-Leadership</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6010</td>
<td>Conflict Resolution, Negotiation and Team Leadership</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6015</td>
<td>Influence of Leadership on Behavior in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>or LEDR 6020</td>
<td>Leaders as Worldly Citizens</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6025</td>
<td>Research Methods in Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6030</td>
<td>Qualitative Research In Leadership Studies</td>
<td>3</td>
</tr>
<tr>
<td>or LEDR 6035</td>
<td>Applied Quantitative Methods in Leadership Studies</td>
<td>3</td>
</tr>
<tr>
<td>PUBS 6205</td>
<td>Urban Policy and Public Service Administration</td>
<td>3</td>
</tr>
<tr>
<td>PUBS 6210</td>
<td>Ethics in Public Service</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>6 credits of elective specialization course work (any PUBS courses not yet chosen)</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>One of the three integrative learning options outlined above.</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Total Credit Hours</td>
<td>36</td>
</tr>
</tbody>
</table>

Sports Leadership

Students must complete a total of 36 credit hours of course work:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
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<td>History and Theory of Leadership and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6005</td>
<td>Self-Leadership</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6010</td>
<td>Conflict Resolution, Negotiation and Team Leadership</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6025</td>
<td>Research Methods in Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6015</td>
<td>Influence of Leadership on Behavior in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>or LEDR 6020</td>
<td>Leaders as Worldly Citizens</td>
<td>3</td>
</tr>
<tr>
<td>SPLE 6001</td>
<td>Introduction to Sports Leadership</td>
<td>3</td>
</tr>
<tr>
<td>SPLE 6400</td>
<td>Strategic Governance in the Sports Industry</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>9 credits elective specialization course work:</td>
<td>9</td>
</tr>
<tr>
<td>SPLE 6100</td>
<td>Legal and Ethical Athletic Leadership</td>
<td></td>
</tr>
<tr>
<td>SPLE 6200</td>
<td>Sports Communication</td>
<td></td>
</tr>
<tr>
<td>SPLE 6300</td>
<td>Social-Historical Foundations of Sports</td>
<td></td>
</tr>
<tr>
<td>SPLE 6931</td>
<td>Topics in Athletic Leadership</td>
<td></td>
</tr>
<tr>
<td>SPLE 6964</td>
<td>Practicum in Sports Leadership</td>
<td></td>
</tr>
<tr>
<td>SPLE 6995</td>
<td>Independent Study in Sports Leadership</td>
<td></td>
</tr>
<tr>
<td></td>
<td>One of the three integrative learning options outlined above.</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Total Credit Hours</td>
<td>36</td>
</tr>
</tbody>
</table>

Leadership Studies Certificate Requirements

The certificate program requires completion of five courses (15 credits) selected from a prescribed list of LEDR courses. Of these five courses, four are required. The remaining course is an elective course that may be selected from the LEDR course listings.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEDR 6000</td>
<td>History and Theory of Leadership and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6005</td>
<td>Self-Leadership</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6010</td>
<td>Conflict Resolution, Negotiation and Team Leadership</td>
<td>3</td>
</tr>
<tr>
<td>or LEDR 6030</td>
<td>Qualitative Research In Leadership Studies</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6015</td>
<td>Influence of Leadership on Behavior in Organizations</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>3 credits of elective course work selected from the LEDR course listings</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Credit Hours</td>
<td>15</td>
</tr>
</tbody>
</table>
Students must complete the certificate program within three years. Students are expected to earn a B or above in all courses and must maintain a 3.000 cumulative grade point average to earn the certificate in leadership studies.
Nonprofit Sector Administration (NPSA)

*Program Director: Jay L. Caulfield, Ph.D.*

marquette.edu/cps/GraduateCertificateNonprofitSector.shtml

**Degree Offered**
Certificate

**Program Description**

The College of Professional Studies offers a graduate program leading to a certificate in nonprofit sector administration. The certificate is designed for working professionals who want to advance their nonprofit career or prepare for a career in the nonprofit sector. Courses are held on weeknights with a blended online learning format.

Students completing the certificate in sports leadership will demonstrate:

1. A commitment to act in a manner that enhances the public good.
2. The ability to apply legal and regulatory standards in a nonprofit environment.
3. Competency in financial matters specific to nonprofit environments.

**Prerequisites for Admission**

Applicants must have a baccalaureate degree from a college or university of recognized standing.

**Application Requirements**

Applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation.
5. Official test scores from the GRE (preferred), GMAT or LSAT. Waived if the applicant has completed any advanced degree from any school - M.A., M.S., M.B.A., Ph.D., J.D., or M.D.
6. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

**Nonprofit Sector Administration Requirements**

**Certificate Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NPSE 6521</td>
<td>Social Entrepreneurship: Leadership and Management Issues for the Third Sector</td>
<td>3</td>
</tr>
<tr>
<td>NPSE 6525</td>
<td>Financial Matters in the Non-Profit Sector</td>
<td>3</td>
</tr>
<tr>
<td>NPSE 6530</td>
<td>Social Justice and Social Activism</td>
<td>3</td>
</tr>
<tr>
<td>NPSE 6535</td>
<td>Legal Aspects of the Non-Profit Sector</td>
<td>3</td>
</tr>
<tr>
<td>NPSE 6931</td>
<td>Topics in Non-Profit Sector</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 15

Students must complete the certificate program within three years. Students are expected to earn a B or above in all courses and must maintain a 3.000 cumulative grade point average to earn the certificate in nonprofit sector administration.
Public Service (PUBS)

Program Director: Jay L. Caulfield, Ph.D.
marquette.edu/cps/graduate_programs_public_service_index.shtml

Degree Offered
Master of Arts in Public Service, Plan B only

Specializations
Criminal Justice Administration, Dispute Resolution, Health Care Administration, Leadership Studies, Nonprofit Sector

Program Description
Public Service is an interdisciplinary program administered by Marquette University's College of Professional Studies. Within the program, students may pursue focused study in one of the five specializations described below.

Criminal Justice Administration
The criminal justice administration specialization seeks to produce broadly-educated, highly-motivated, thoroughly-trained professionals and scholars to meet the challenges of urban society. Several objectives underlie the scope and content of the program: 1) to provide urban stewards with an ethical and scholarly understanding of the issues and ramifications of current and anticipated policies in criminal justice; 2) to develop persons capable of exercising independent, analytical thought consistent with the needs of a democratic society; 3) to provide a core of leaders familiar with the issues of criminal justice management and policy analysis.

Dispute Resolution
The dispute resolution specialization attempts to combine the fields of law, business, psychology, sociology, political science, health sciences, education, and communication in dealing with today's multi-faceted issues in resolving disputes. The program seeks to train professionals, primarily those in the fields of law, health care, education and business, to practice as third party neutrals in the field of dispute resolution or to be knowledgeable participants in dispute resolution processes.

Marquette University also offers master's and certificate programs in dispute resolution. (See the Program section of Dispute Resolution (p. 137) for description and details.)

Health Care Administration
The health care administration specialization seeks to prepare working professionals to meet the leadership challenges of today's health care system. As managed care and the integration of health care delivery continue to evolve, new skills and knowledge are needed to keep pace with current health care demands. The program provides a foundation in finance, economics, policy, leadership, systems and outcome planning and evaluation, specifically related to the changing health care system. Through the many elective offerings (informatics, case management, marketing, program development, administrative practicum, conflict resolution, long-term care and more), students may explore a wide range of special interests.

Leadership Studies
The leadership studies specialization prepares students to meet the challenges of leadership on multiple levels, including self-leadership, leadership in the context of interpersonal relationships, leadership where diversity is the norm and leadership in organizations. This specialization prepares students to be ethical leaders who are skilled at: leading themselves, leading and managing relationships, leading in organizations, leading and managing change and leading within a variety of contexts.

Marquette University also offers master's and certificate programs in leadership studies. (See the Program section of Leadership Studies (p. 140) for description and details.)

Nonprofit Sector
The nonprofit sector specialization seeks to provide training for individuals who plan a career in the third sector. Administrative and leadership preparation are particularly central to this training as executives handle budgets, board memberships, personnel oversight, corporate statutes and program development.

Prerequisites for Admission
Applicants to the public service specializations must hold a baccalaureate degree, or its academic equivalent, from a college or university of recognized standing. The undergraduate background must be appropriate to the chosen course of study. Generally, applicants should have a minimum cumulative grade point average of 3.000 (on a scale of 4.0) in their undergraduate course work. Previous professional experience will be a serious consideration in the admission decision.
Application Requirements

Applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation from academic or professional sources.
4. Official test scores from the GRE (preferred), GMAT, or LSAT. Waived if the applicant has completed any advanced degree from any school – M.A., M.S., M.B.A., Ph.D., J.D., or M.D.
5. A statement of purpose.
6. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

Public Service Master’s Requirements

Students must complete a total of thirty-six (36) credit hours of course work for the master of arts in public service. One of the five specializations (criminal justice administration, dispute resolution, health care administration, leadership studies, nonprofit sector) must be chosen.

Students must complete 12 credits of required core course work, 3 credits of constrained elective core course work, plus 15 specialization credits of course work. Students must also choose one of three integrative learning options:

1. 6 credits of a professional project (PUBS 6998 Professional Project in Public Service).
2. 6 credits of a research article of publishable quality (PUBS 6998 Professional Project in Public Service), or
3. 6 credits of additional course work followed by a comprehensive examination.

For options 1 and 2 above, students must submit the project outline to be approved by their program adviser and by the Graduate School.

Students must complete the program within six years. Students are expected to earn a B or above in all courses and must maintain a 3.000 cumulative grade point average to earn the degree of master of arts in public service.

Criminal Justice Administration

Students must complete a total of 36 credit hours of course work:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PUBS 6000</td>
<td>History and Theory of Leadership and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PUBS 6025</td>
<td>Research Methods in Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>PUBS 6205</td>
<td>Urban Policy and Public Service Administration</td>
<td>3</td>
</tr>
<tr>
<td>PUBS 6210</td>
<td>Ethics in Public Service</td>
<td>3</td>
</tr>
<tr>
<td>CJAD 6400</td>
<td>Critical Issues in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CJAD 6405</td>
<td>Criminological Theory in Public Service and Social Policy</td>
<td>3</td>
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<tr>
<td></td>
<td>3 credits of elective core course work (any PUBS course not yet chosen)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>9 credits of elective specialization course work (any CJAD courses not yet chosen)</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>One of the three integrative learning options outlined above.</td>
<td>6</td>
</tr>
</tbody>
</table>

Total Credit Hours 36

Students enrolled in the law enforcement leadership and management (LELM) certificate program may take PUBS 6571 Economics and Budgeting of Policing in lieu of PUBS 6240 Urban Public Sector Economics and may take PUBS 6581 Police Leadership and Ethics in lieu of PUBS 6000 History and Theory of Leadership and Ethics. The two final courses that make up the LELM certificate (CJAD 6510 Policies in Policing and CJAD 6511 Legal Issues in Law Enforcement) will go toward CJAD elective specialization requirements for this degree.

Dispute Resolution

Students must complete a total of 36 credit hours of course work:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBS 6000</td>
<td>History and Theory of Leadership and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PUBS 6025</td>
<td>Research Methods in Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>PUBS 6205</td>
<td>Urban Policy and Public Service Administration</td>
<td>3</td>
</tr>
<tr>
<td>PUBS 6210</td>
<td>Ethics in Public Service</td>
<td>3</td>
</tr>
<tr>
<td>DIRS 6600</td>
<td>Mediation</td>
<td>3</td>
</tr>
<tr>
<td>DIRS 6605</td>
<td>Advanced Mediation</td>
<td>3</td>
</tr>
<tr>
<td>DIRS 6610</td>
<td>Dispute Resolution Theory</td>
<td>3</td>
</tr>
<tr>
<td>DIRS 6615</td>
<td>Advanced Issues in Dispute Resolution</td>
<td>3</td>
</tr>
<tr>
<td>DIRS 6964</td>
<td>Practicum in Dispute Resolution</td>
<td>3</td>
</tr>
</tbody>
</table>
### Health Care Administration

Students must complete a total of 36 credit hours of course work:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBS 6000</td>
<td>History and Theory of Leadership and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PUBS 6025</td>
<td>Research Methods in Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>PUBS 6205</td>
<td>Urban Policy and Public Service Administration</td>
<td>3</td>
</tr>
<tr>
<td>PUBS 6210</td>
<td>Ethics in Public Service</td>
<td>3</td>
</tr>
<tr>
<td>or NURS 6007</td>
<td>Ethics in Health Care</td>
<td></td>
</tr>
<tr>
<td>HEAL 6820</td>
<td>Health Care Program Development</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 6841</td>
<td>Health Care Finance</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 6848</td>
<td>Health Care Policy</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6009</td>
<td>Creating Nursing Care Systems</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>3 credits of elective core course work (any PUBS course not yet chosen)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>3 credits of elective specialization course work (any LEDR course not yet chosen)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One of the three integrative learning options outlined above.</td>
<td>6</td>
</tr>
</tbody>
</table>

**Total Credit Hours:** 36

### Leadership Studies

Students must complete a total of 36 credit hours of course work:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBS 6000</td>
<td>History and Theory of Leadership and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PUBS 6025</td>
<td>Research Methods in Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>PUBS 6205</td>
<td>Urban Policy and Public Service Administration</td>
<td>3</td>
</tr>
<tr>
<td>PUBS 6210</td>
<td>Ethics in Public Service</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6000</td>
<td>History and Theory of Leadership and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6005</td>
<td>Self-Leadership</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6010</td>
<td>Conflict Resolution, Negotiation and Team Leadership</td>
<td>3</td>
</tr>
<tr>
<td>LEDR 6030</td>
<td>Qualitative Research in Leadership Studies</td>
<td>3</td>
</tr>
<tr>
<td>or LEDR 6035</td>
<td>Applied Quantitative Methods in Leadership Studies</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3 credits of elective core course work (any PUBS course not yet chosen)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>3 credits of elective specialization course work (any LEDR course not yet chosen)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>One of the three integrative learning options outlined above.</td>
<td>6</td>
</tr>
</tbody>
</table>

**Total Credit Hours:** 36

### Nonprofit Sector

Students must complete a total of 36 credit hours of course work:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUBS 6000</td>
<td>History and Theory of Leadership and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PUBS 6025</td>
<td>Research Methods in Social Sciences</td>
<td>3</td>
</tr>
<tr>
<td>PUBS 6205</td>
<td>Urban Policy and Public Service Administration</td>
<td>3</td>
</tr>
<tr>
<td>PUBS 6210</td>
<td>Ethics in Public Service</td>
<td>3</td>
</tr>
<tr>
<td>NPSE 6521</td>
<td>Social Entrepreneurship: Leadership and Management Issues for the Third Sector</td>
<td>3</td>
</tr>
<tr>
<td>NPSE 6525</td>
<td>Financial Matters in the Non-Profit Sector</td>
<td>3</td>
</tr>
<tr>
<td>NPSE 6530</td>
<td>Social Justice and Social Activism</td>
<td>3</td>
</tr>
<tr>
<td>NPSE 6535</td>
<td>Legal Aspects of the Non-Profit Sector</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours:** 36
3 credits of elective core course work (any PUBS course not yet chosen) 3
3 credits of elective specialization course work: 3

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJAD 6415</td>
<td>Victims and Victims Policy</td>
</tr>
<tr>
<td>CJAD 6430</td>
<td>Clinical Issues in Criminal Justice</td>
</tr>
<tr>
<td>CJAD 6931</td>
<td>Topics in Criminal Justice</td>
</tr>
<tr>
<td>HEAL 6820</td>
<td>Health Care Program Development</td>
</tr>
<tr>
<td>HEAL 6822</td>
<td>Health Care Quality Improvement</td>
</tr>
<tr>
<td>HEAL 6841</td>
<td>Health Care Finance</td>
</tr>
<tr>
<td>HEAL 6848</td>
<td>Health Care Policy</td>
</tr>
<tr>
<td>HURE 6170</td>
<td>Ethical Issues, Regulatory Environment and Human Resource Management</td>
</tr>
<tr>
<td>MANA 6100</td>
<td>Organizational Behavior</td>
</tr>
<tr>
<td>PUBS 6964</td>
<td>Practicum in Public Service</td>
</tr>
</tbody>
</table>

or other courses approved by adviser.

One of the three integrative learning options outlined above. 6

Total Credit Hours 36
Sports Leadership (SPLE)

Program Director: Jay L. Caulfield, Ph.D.
marquette.edu/cps/Sports_Leadership_Certificate.shtml

Degree Offered
Certificate

Program Description
The College of Professional Studies offers a 15-credit, non-degree graduate program leading to a certificate in sports leadership. This certificate is designed for professionals who would like to strengthen their leadership skills and advance their career within the athletics industry. This graduate certificate studies critical topics within the industry including leadership, sports communication, ethics, sports law, media events and historical events that help set the context for where the industry is today.

Students completing the certificate in sports leadership will:
1. Learn how to apply leadership principles and practices to the business of athletics.
2. Understand the depth and unique character of the business of athletics.
3. Gain the ability to identify trends, current events, and innovations within the world of athletics and recognize how they impact managerial decisions.
4. Develop the insight to understand the inter-relationships of athletics to the larger institution in which it belongs.

Prerequisites for Admission
Applicants must have a baccalaureate degree from a college or university of recognized standing.

Application Requirements
Applicants must submit, directly to the Graduate School:
1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation.
5. Official test scores from the GRE (preferred), GMAT or LSAT. Waived if the applicant has completed any advanced degree from any school - M.A., M.S., M.B.A., Ph.D., J.D., or M.D.
6. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

Sports Leadership Certificate Requirements
The certificate program requires completion of 15 credits from the following list of courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPLE 6001</td>
<td>Introduction to Sports Leadership</td>
<td>3</td>
</tr>
<tr>
<td>SPLE 6100</td>
<td>Legal and Ethical Athletic Leadership</td>
<td>3</td>
</tr>
<tr>
<td>SPLE 6200</td>
<td>Sports Communication</td>
<td>3</td>
</tr>
<tr>
<td>SPLE 6300</td>
<td>Social-Historical Foundations of Sports</td>
<td>3</td>
</tr>
<tr>
<td>SPLE 6400</td>
<td>Strategic Governance in the Sports Industry</td>
<td>3</td>
</tr>
<tr>
<td>SPLE 6931</td>
<td>Topics in Athletic Leadership</td>
<td>3</td>
</tr>
</tbody>
</table>

Students must complete the certificate program within three years. Students are expected to earn a B or above in all courses and must maintain a 3.000 cumulative grade point average to earn the certificate in sports leadership.
History (HIST)

Chairperson: James A. Marten, Ph.D.
marquette.edu/history/grad.shtml

Degrees Offered
Master of Arts, Plan B only; Doctor of Philosophy

Specializations
Master’s: European History, United States History, Global Studies
Doctoral: European History, United States History

Program Description
History includes politics, economics, and aesthetics, as well as social, spiritual and cultural relations—our past, our present and our potential as human beings. The history graduate program, mindful of the discipline’s manifold importance and application, offers master of arts and doctoral degree programs in breadth and depth.

Graduate study in history permits students to increase their knowledge of the past and the processes that have shaped the human experience. Such study may prepare students for careers in scholarship, teaching or certain public service fields.

Prerequisites for Admission
For admission to the master of arts program, an applicant must have an undergraduate major in history or its equivalent. An applicant for the doctoral program must possess a master of arts in history.

Application Deadline
To be considered for admission, all application requirements must be completed and received in the Graduate School by Dec. 31.

Application Requirements
Applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. A one-page statement of purpose specifying proposed areas of study and activities, along with employment, since graduation.
4. Three letters of recommendation from former teachers.
5. GRE scores (General Test only).
6. (For doctoral applicants only) a writing sample. Ideally, the sample should be the master’s thesis, but, for graduates of non-thesis programs, it may consist of a formal seminar paper.
7. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

General Information
Direction and Advising
The director of graduate studies is charged with directing the department’s graduate programs and with the general advising of all graduate students in matters of course selection, financial aid and placement. In addition, each student chooses, in consultation with the director of graduate studies, a field adviser who will direct the student’s field-specific work, including: the master’s essay, the selection of post-master’s course work, completion of the Doctoral Program Planning Form and the doctoral dissertation.

Degrees Overview
Students begin with the course HIST 6100 The Art and Craft of History, which provides not only methodological and epistemological approaches, but also introduces students to professors who discuss their specific interests and fields. Master of arts candidates concentrate major/minor fields in American, European (including medieval), or world histories in their 30 hours of course work. They must also pass comprehensive examinations and submit a master’s essay to fulfill degree requirements. The doctoral program offers degrees with a focus in European or United States histories. Doctoral candidates must have a master’s degree and normally complete 60 hours of course work beyond the bachelor’s. They must also pass a foreign language examination and written and oral doctoral qualifying exams in major and minor fields. Candidates attain the doctorate with the composition and defense of a book-length dissertation.
**History Master’s Requirements**

The three major areas in the master of arts program with their fields are:

1. **European History**
   - Medieval
   - Early Modern
   - Modern
2. **United States History**
   - Early U.S.
   - Modern U.S.
3. **Global Studies**

A master’s student must complete 30 credit hours of course work, a master’s essay and a comprehensive examination. At least 18 credit hours of course work must be in history courses numbered 6000 or above, and at least six of those credits must be in research seminars. With the consent of the department chairperson, six hours of graduate work outside the department may be included in the master of arts program. Students in Medieval history will be examined only in that field but must take at least six credit hours of graduate work in another field. No foreign language is required for the master’s degree.

**Comprehensive Examination**

The comprehensive written examination lasts eight hours. A committee of two examiners will assess the master of arts candidate’s command of the fields of study and knowledge of historical literature. Each candidate will be examined in one major field and one minor field, except for students in Medieval history, who will be examined in the Medieval field alone. Students in European history will be examined in one major field in European history and one minor field in U.S. history, while students in United States history will be examined in one major U.S. field and one minor European field. Students in Global Studies will be examined in this broadly-focused major field. They must also select a minor field from among three options: Latin America, Asia or Africa.

**History Doctoral Requirements**

The two major areas in the doctoral program with their fields are:

1. **European History**
   - Early Modern
   - Modern
2. **United States History**
   - Early U.S.
   - Modern U.S.

Possible examination fields also include medieval Europe, Asian, Latin American or African history.

A doctoral student must complete a program of study defined on an approved Doctoral Program Planning Form. The program includes course work, a reading knowledge of at least one foreign language, the qualifying examination and a dissertation.

**Course Work**

The department’s normal course work requirement for the doctoral program is 60 credit hours beyond the bachelor’s degree, including course work for the master of arts but not including the 12 credit hours required for the doctoral dissertation. In the 60 credits required, a student with a master of arts must include six credit hours of research seminar courses (HIST 6954, 6956, 6958, 6960) and a three-hour dissertation seminar. The academic progress of all students who hold non-Marquette master’s degrees will be evaluated at the end of the first year of doctoral study. The programs of students making unsatisfactory progress may be terminated at that time.

**Foreign Language Requirement**

The student must have knowledge of at least one foreign language pertinent to their area of research. Reading skills in foreign languages are assessed by the department. Students may also satisfy their foreign language competency requirement by achieving at least a B in a 6204 course offered by the Department of Foreign Languages and Literatures. Satisfactory competence in the foreign language must be demonstrated prior to the qualifying examinations, and students in continental European history must demonstrate command of the language appropriate to their research goals no later than the end of their first term of doctoral study. Failure to do so will preclude further course work until the student demonstrates the appropriate language competency. The dissertation director may require a doctoral student to show competence in a second foreign language or in statistical methods when the dissertation topic requires it.
Qualifying Examination

After completing all formal course work and language study, the doctoral student must take the doctoral qualifying examinations (DQEs), written and oral. Written qualifying examinations are twelve hours in duration. Oral qualifying examinations, three hours in duration, are held about ten days after the written examinations.

The qualifying examinations will cover four fields: two major fields and two minor fields. Europeanists will be examined in two major fields in European history and in two minor fields in United States, Latin American, African, Asian or European history. Students in United States history will be examined in both American fields, in a minor field in European history and in a minor field in Latin American, African, Asian or European history. Students may choose a minor in a topical field drawn from a list approved by the History Department faculty.

A committee of four department members assesses examination performance.
Interdisciplinary Ph.D. (INPR)

marquette.edu/grad/programs_interdis.shtml

Degree Offered

Doctor of Philosophy

Program Description

This doctoral program provides students and faculty with opportunities for creative academic programming and research that cross the boundaries of traditional disciplines. Instead of being supported by an individual department, school or college, each student’s program is administered by an interdisciplinary faculty committee. The faculty committee shall be approved by the Graduate School. The interdisciplinary program itself shall be approved by, and under the oversight of, the University Board of Graduate Studies.

Each INPR program must combine the academic and intellectual assets, in terms of course work and faculty expertise, of two or more academic departments at Marquette. Faculty may serve on an INPR committee whether or not their departments offer doctoral degrees. The University Board of Graduate Studies serves to a great extent as a quasi department. Every program is unique in terms of course work, methodology and research.

To gain admission into the interdisciplinary Ph.D. program, the student must:

1. Satisfy demanding academic entrance requirements.
2. Propose a faculty adviser/dissertation committee chair.
3. Propose an advisory committee.
4. Propose a dissertation research topic.
5. Present and defend a formal admission proposal to the University Board of Graduate Studies.

Prerequisites for Admission

Due to the unique nature of the interdisciplinary program, only students who demonstrate a high degree of self-reliance and responsibility will be considered for admission. In addition, applicants must meet the following criteria:

1. The student must have completed a master’s degree or its equivalent at an accredited university.*
2. The student normally must have a graduate GPA of 3.500 or above, on a 4.000 scale, in their master’s degree (or equivalent graduate work). If the student has less than a 3.500 cumulative GPA, the results of a current (within five years) standardized examination such as the GRE, GMAT or LSAT, will be required.*

* Students currently enrolled in professional programs who desire to enter an INPR Ph.D. program should consult with their adviser and read the addendum relating to integrating professional programs with an INPR program.

Application Process

A student interested in gaining admission to the INPR program must submit a formal written proposal to the University Board of Graduate Studies (UBGS), and must appear before the UBGS with his/her adviser/committee chair to defend that proposal. A detailed listing of the steps involved in this formal application process is found below in the paragraph titled Formal Admission Process.

Because the formal admission process can be quite lengthy, it is possible for students who would like to begin course work in advance of gaining formal admission to obtain admission in non-degree status. The non-degree application process is described below in the paragraph titled Non-Degree Admission Process.

Students may apply for formal admission to degree status without going through the non-degree admission process. However, many students find it to their benefit to first apply as a non-degree student.

Formal Admission Process

The University Board of Graduate Studies (UBGS) oversees all INPR programs, and is the body that will grant formal admission in degree-status to any student that meets UBGS approval. All applicants must submit a formal written proposal to the UBGS and must appear before the UBGS with his/her adviser/committee chair to defend that proposal.

The formal admission process for entry into the INPR degree program begins with discussions with faculty in expectation of identifying those who will serve as the dissertation committee, including an adviser/committee chair with whom the student sketches out a tentative plan for earning a doctoral degree. Development of the plan will involve interaction with all committee members. The student should incorporate feedback received from committee members and produce a detailed proposal as described below.

Prior to scheduling the proposal defense before the University Board of Graduate Studies and prior to finalizing the formal written proposal, the student must request from the Graduate School approval for all dissertation committee members, including the chair of the committee. The INPR Dissertation Committee Form must be completed by each prospective member of the committee. His/her signature on the form
attests to his/her commitment to be a fully-engaged member of the committee until the student has completed his/her INPR doctoral degree and also certifies that the faculty member meets the requirements for participation on the committee.

Once the committee chair and members are identified and approved, the remainder of the formal admission process consists of the following:

1. A detailed proposal must be submitted to the Graduate School.
2. The written proposal must be reviewed by a sub-committee of the University Board of Graduate Studies before the student and adviser will be invited to defend the proposal before the full Board.
3. A 30 minute presentation (with questions and answers) must be presented to the University Board of Graduate Studies.
4. The student and his or her committee must address any written comments that result from the presentation to the University Board of Graduate Studies.
5. Once completed satisfactorily, the University Board of Graduate Studies will provide formal admission into the INPR program.

The proposal must detail the entire doctoral program, including courses, satisfaction of residency requirements, qualifying examination and detailed plans for the dissertation. The proposal document must be prepared in consultation with the applicant's adviser/dissertation chair and the other members of the dissertation committee.

In addition to the above, application for admission to degree status in the INPR program requires that the student submit the following:

1. A completed application form and application fee.
2. Official transcripts from all colleges/universities except Marquette.
3. Proof of an earned master's degree.
4. Three letters of recommendation.
5. The results of a standardized test (GRE, GMAT, LSAT, MCAT, etc., as appropriate) if required due to a graduate GPA of less than 3.500.
6. (For international students only) the results of the TOEFL exam or other acceptable proof of English proficiency (waived if the student's undergraduate or prior graduate academic work was done at an English-speaking college or university).

If the student began his/her INPR studies in a non-degree status, any documents that were submitted in support of non-degree admission need not be resubmitted.

The University Board of Graduate Studies will accept proposals as they are completed, and will schedule the applicant to appear before the UBGS as soon as possible. The applicant’s defense before the UBGS will be scheduled three to four weeks after submission of the written proposal.

**Non-Degree Admission Process**

As noted above, formal admission to the INPR program requires that a student’s dissertation committee chair and membership be identified and secured, that the course work and research be refined, that a formal written proposal be developed and submitted to the UBGS and that the student and the committee chair defend the proposal before the UBGS. This process can take up to nine months to complete.

In order to allow students to begin taking course work prior to completion of the formal admission process, students may apply for admission in a non-degree status. Admission in a non-degree status requires the following:

1. Submit a completed application form and application fee.
2. Secure written support from a Marquette faculty member, with whom the applicant has discussed his/her INPR ideas, that the proposal is viable. It is not required that the faculty member that submits this support ultimately become the chair or even a member of the committee, but it is expected that in most cases the faculty will be on the student's dissertation committee. Furthermore, the student should select non-degree course work in consultation with the dissertation chair (if identified) or the faculty member providing written verification.
3. Submit official transcripts from all current and previous colleges/universities except Marquette.
4. Submit proof of an earned master's degree with a minimum GPA of 3.500.
5. If the applicant has a cumulative GPA of less than 3.500 in his/her master's degree (or equivalent post-baccalaureate work), the results of a current (within five years) standardized test (GRE, GMAT, MAT, LSAT, MCAT, as appropriate) must be submitted.
6. (For international students only) submit a TOEFL score or other acceptable proof of English proficiency (waived if the student’s undergraduate or graduate education was conducted in an English-speaking college or university).
7. Applicants in non-degree status must submit the formal proposal to the UBGS prior to completing nine credits, and must receive UBGS approval for admission in degree status before completion of twelve credits.

**Non-Degree Course Work**

Once the Graduate School has approved the student's admission in a non-degree status, he/she may begin taking course work. Students who have taken doctoral courses under non-degree status at Marquette may request that a maximum of twelve credits be accepted by
the Interdisciplinary Ph.D. program. These courses may contribute toward completion of the INPR program as long as the courses are appropriate, they are acceptable to the student's dissertation committee (once composed), and the student earns a grade of B or above in each course. There is no obligation by the dissertation committee to accept courses taken in a non-degree status. Credits taken in a non-degree status beyond the limit of 12 may be taken to provide foundation or prerequisite background.

Interdisciplinary Program

An interdisciplinary doctoral student completes a minimum of 30 credit hours of course work beyond the master's degree and meets all other requirements as stated in the section on doctoral study. Because no individual department administers an interdisciplinary doctorate, certain understandings, commitments and restrictions beyond those required in regular degree programs are necessary. Additional details can be obtained from the vice provost for research and dean of the Graduate School or at the Graduate School's website marquette.edu/grad/programs_interdis.shtml.
Political Science (POSC)/International Affairs (INAF)

Chairperson: Lowell W. Barrington, Ph.D.
marquette.edu/polisci/grad.shtml

Degrees Offered

Political Science
Master of Arts, students are admitted under Plan B (non-thesis option) but may request Plan A (thesis option)

International Affairs
Master of Arts, students are admitted under Plan B (non-thesis option) but may request Plan A (thesis option)

Program Description

The Department of Political Science at Marquette University offers master's programs aimed at preparing students for doctoral study in political science and international affairs and for careers in related fields. Programs are offered in the following two specialties: political science and international affairs. The department offers a joint bachelor’s and master’s degree program that enables Marquette University students to earn a bachelor’s and a master’s degree in five years. In conjunction with the Law School, students also can pursue a joint master of arts-juris doctor (M.A.-J.D.) program in political science or international affairs. Through the combined program, full-time students can complete the juris doctor and master of arts degrees in only four years. Furthermore, law school graduates can pursue an accelerated master of arts degree through awards of transfer credit for work completed as part of the juris doctor degree. Joint degree programs are also available in conjunction with the communication and the business administration graduate programs.

Prerequisites for Admission

An applicant to the Department of Political Science should have graduated with, or be about to graduate with, a bachelor’s degree from an accredited institution in an undergraduate program sufficient in quality and scope to prepare the individual for specialized work in his or her chosen field.

Application Deadline

No official deadline exists for the political science or international affairs master’s programs. However, applications submitted after the Graduate School’s official financial aid deadlines will be considered only as space permits, even if the applicant is not requesting financial aid. The deadlines for financial aid consideration are Feb. 15 for the following fall term and Nov. 15 for the following spring term.

Application Requirements

Applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation.
4. GRE scores (General Test only). Not required for accelerated B.A.-M.A. degree program applicants; M.A.-J.D. applicants may substitute LSAT scores for GRE scores; M.A.-M.B.A. applicants may substitute GMAT scores for GRE scores.
5. A statement of purpose.
6. (For international applicants only) an overall minimum TOEFL score of 100 or other acceptable proof of English proficiency.

Accelerated Bachelor’s-Master’s Degree Program

The joint bachelor’s and master’s program allows Marquette University students to earn both a bachelor’s degree with a major in political science or international affairs and a master’s degree in political science or international affairs in five years.

Students will complete 9-12 hours of graduate credit in political science or international affairs during their senior undergraduate year. These graduate courses double-count toward the undergraduate and graduate degrees. Should a student be denied admission to the master’s program of choice (political science or international affairs), the courses will be counted toward the undergraduate degree. Upon completion of the first term as a master’s candidate, the student must petition the Graduate School to transfer the courses taken as an undergraduate to the master’s degree. All remaining master’s degree requirements may be completed during the subsequent summer, fall and spring terms.

Candidates for admission should have undergraduate junior status, have completed at least 3 upper division political science courses and should have a political science GPA of at least 3.500. Candidates for admission should submit transcripts and three letters of recommendation, but need not submit GRE scores. Candidates for admission to this program should notify the assistant chair of their intentions.
Joint Programs of Study

M.A.-J.D. Degree

The Department of Political Science, in conjunction with the Law School, offers a program of joint study leading to a master’s degree in political science or international affairs and a juris doctor degree.

Students seeking admission to the joint program must apply to both the Graduate School and the Law School and must meet the admission requirements for each, but their application to the Graduate School may include LSAT scores in lieu of GRE scores. Students start this joint program as a law student. Upon completion of the law program, students will be officially admitted to the political science or the international affairs program for completion of the remainder of the joint program.

Joint program students complete 81 credit hours in the Law School, 21 credit hours in political science, and 9 credit hours in joint program courses. In addition, applicants for the political science or international affairs master of arts program who already hold a J.D. degree may request that a maximum of 9 credits from their previous law studies be counted toward the fulfillment of their master of arts degree requirements.

In general, joint program students will pay tuition at the full-time (flat tuition) Law School rate while a full-time law student, regardless of whether or not they are taking additional graduate courses. Upon receiving the juris doctor degree, joint program students will pay Graduate School tuition at the per credit rate for graduate courses. Part-time law students will pay the per credit Law School rate for all courses.

Additional details about the M.A.-J.D. program are available from the Political Science Department office or from the Law School Admissions office.

M.A.-M.B.A. Degree

The Department of Political Science, in conjunction with the Graduate School of Management, offers a program of joint study leading to a master of arts (M.A.) degree in political science or international affairs and a master of business administration (M.B.A.) degree. The program is designed for students whose interests overlap business and politics or business and international affairs. Joint degree students are able to complete both degree programs in less time than if both degrees were pursued separately.

Students seeking admission into the joint degree program must submit to the graduate school separate applications for admission to both programs, including two sets of required documentation and must meet the admission requirements of each program. However, applicants may submit GMAT scores in lieu of GRE scores. Acceptance into one program does not guarantee acceptance into the other. If a student is accepted into one program and not the other, the student can still choose to accept the admission offer from the first program but would not be considered a joint degree student. Because students are officially admitted into only one Marquette University graduate program at a time, applicants must indicate which program they intend to pursue and complete first, although once accepted for admission to both programs, students may take courses from both departments. Upon completion of the first program, the student will be officially admitted to the second program for completion of the remainder of the joint program.

Joint degree students count 9 credits of course work in each program toward the required course work credits of the other program. Thus, 9 of the 40 credits required for the master of business administration degree beyond foundations, if required, will come from POSC courses, and 9 of the 30 credits required for the master of arts degree in political science or international affairs will come from GSM courses.

M.A. in Political Science or International Affairs and in Communication

The Department of Political Science, in conjunction with the J. William and Mary Diederich College of Communication, offers a program of joint study leading to a master of arts degree in political science or international affairs and a master of arts degree in communication. Joint degree students are able to complete both degree programs in less time than if both degrees were pursued separately.

Students seeking admission into the joint degree program must submit to the graduate school separate applications for admission to both programs, including two sets of required documentation and must meet the admission requirements of each program. Acceptance into one program does not guarantee acceptance into the other. If a student is accepted into one program and not the other, the student can still choose to accept the admission offer from the first program but would not be considered a joint degree student. Because students are officially admitted into only one Marquette University graduate program at a time, applicants must indicate which program they intend to pursue and complete first, although once accepted for admission to both programs, students may take courses from both departments. Upon completion of the first program, the student will be officially admitted to the second program for completion of the remainder of the joint program.

Joint degree students count 9 credits of course work in each program toward the required course work credits of the other program. Thus, 9 of the 36 credits required for the master of arts degree in communication will come from POSC courses, and 9 of the 30 credits required for the master of arts degree in political science or international affairs will come from COMM courses.

Master’s Requirements

A student in either political science or international affairs is admitted to a non-thesis program (Plan B) which requires 30 credit hours of course and seminar work. The Plan B student must pass written and oral comprehensive examinations to complete the program.
Students are presumed to be in Plan B unless a formal request to transfer to a thesis program (Plan A) is approved by the department chairperson and the Graduate School. Plan A requires 24 credit hours of course and seminar work and six credit hours of thesis work. The Plan A student must pass written and oral comprehensive examinations and submit an approved thesis to complete the program.

At least 18 credits of the 30 credit hour requirement for Plan B students (15 credits of the 24 credit hour requirement for Plan A students) must be fulfilled in strictly graduate level course work (courses numbered 6000 or above). Up to 12 credit hours of 5000-level courses may be approved for graduate credit for Plan B students (9 credit hours for Plan A students). With the approval of the department chairperson, a student may receive up to 9 credit hours toward the master of arts degree in cognate courses taken outside the department. Cognate fields for the international affairs program include other areas of political science.

**Political Science**

**Core Seminars**

Students in the political science program must complete:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POSC 6101</td>
<td>Contemporary Political Research</td>
<td>3</td>
</tr>
<tr>
<td>3 of the following:</td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>POSC 6201</td>
<td>American Politics</td>
<td></td>
</tr>
<tr>
<td>POSC 6401</td>
<td>Comparative Politics</td>
<td></td>
</tr>
<tr>
<td>POSC 6601</td>
<td>International Politics</td>
<td></td>
</tr>
<tr>
<td>POSC 6801</td>
<td>Political Philosophy</td>
<td></td>
</tr>
<tr>
<td><strong>Total Credit Hours</strong></td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

**Research Papers**

Students must complete at least two conference-quality research papers. These papers must deal with significant questions and demonstrate rigorous analytical and, as appropriate, methodological skills. The instructors in whose courses the papers are written must certify that the student has fulfilled this requirement. Specific details and certification forms are available from the department office.

**Comprehensive Examinations**

A candidate for the master of arts degree in political science must pass written and oral comprehensive examinations covering two of the following fields: political philosophy, American politics, comparative politics, international politics.

The written examination is based on comprehensive reading lists for each subfield, the student's course work, and sample questions provided in advance. The oral examination supplements the written examination and is based on the comprehensive reading lists and the student's course work. The examining committee is normally composed of three faculty members chosen by the department assistant chairperson in consultation with the student and his or her adviser. Details on the examinations, the reading lists and the sample questions are available from the department office.

**International Affairs**

**Core Seminars**

Students in the international affairs program must complete:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POSC 6101</td>
<td>Contemporary Political Research</td>
<td>3</td>
</tr>
<tr>
<td>POSC 6401</td>
<td>Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>POSC 6601</td>
<td>International Politics</td>
<td>3</td>
</tr>
<tr>
<td><strong>One course in comparative and international politics</strong></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credit Hours</strong></td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

**Research Papers**

Students must complete at least two conference-quality research papers. These papers must deal with significant questions and demonstrate rigorous analytical and, as appropriate, methodological skills. The instructors in whose courses the papers are written must certify that the student has fulfilled this requirement. Specific details and certification forms are available from the department office.

**Comprehensive Examinations**

A candidate for the master of arts degree in international affairs must pass written and oral comprehensive examinations in the fields of comparative politics and international politics. The examinations normally are taken after the student has completed 24 credit hours of course work.

The written examination is based on comprehensive reading lists for each subfield, the student's course work, and sample questions provided in advance. The oral examination supplements the written examination and is based on the comprehensive reading lists and the student's course work. The examining committee is normally composed of three faculty members chosen by the department assistant
chairperson in consultation with the student and his or her adviser. Details on the examinations, the reading lists and the sample questions are available from the department office.
Mathematics, Statistics and Computer Science (MSCS)

Chairperson: Gary S. Krenz, Ph.D.
marquette.edu/mscs/grad.shtml

Program Overview
The Department of Mathematics, Statistics and Computer Science offers a range of master’s and doctoral programs in accord with the breadth of the disciplines it encompasses. Bulletin entries for each of the programs described below may be found by exploring the options provided on this page. Further information about the programs can be found on the departmental website at marquette.edu/mscs/grad.shtml.

Degrees Offered

**M.S. in Bioinformatics** (p. 163)
A joint program between Marquette University and Medical College of Wisconsin, the bioinformatics specialization is geared toward creating computing applications for the biological sciences.

**M.S. and Ph.D. in Computational Sciences** (p. 165)
Our computational sciences program is designed to equip graduates with a distinctive blend of theoretical and computational skills, for employment in industry, research laboratories and institutions of higher education. A distinctive feature of our program is that all core aspects of a student’s program of study, constituting in general the first two years of study, are undertaken within our one interdisciplinary department. While the bulk of their course work will be undertaken in this department, their research topics may range across the computational aspects of a broad spectrum of disciplines.

**M.S. in Computing** (p. 167)
The computing program is a professional (terminal) master’s degree that spans the study of computer science, computer engineering, software engineering, information technology and information systems. It is designed for individuals who wish to enhance their computing skill set whether they are current practitioners or interested in moving into the computing field.

**M.S. in Mathematics Education: Mathematics for Secondary School Teachers (MSST)** (p. 169)
The mathematics for secondary school teachers specialization provides a master of science degree for mathematics teachers who wish to enhance their practice by deepening their understanding of mathematics and mathematics education beyond the bachelor’s level.
Bioinfomatics (BIIN)

Chairperson: Gary S. Krenz, Ph.D.
Program Director: Daniel B. Rowe, Ph.D.
mcw.edu/bioinformatics.htm (http://www.mcw.edu/bioinformatics.htm)

Degree Offered

Master of Science, students are admitted under Plan B (non-thesis option) but Plan A (thesis option) is also offered

Program Description

This interdisciplinary program is jointly offered by Marquette University and Medical College of Wisconsin. The program prepares students for a multidisciplinary career in the biomedical sciences using mathematics, statistics and computer science. It is designed to provide students quantitative tools for analyzing data and problems associated with molecular, cellular, physiological and particularly, genetic systems. Students may select courses from a list of approved courses offered by the following departments at Marquette: Mathematics, Statistics and Computer Science; Biology; Biomedical Engineering; and Electrical and Computer Engineering. In addition, courses are offered by the Department of Physiology and the Division of Biostatistics at Medical College of Wisconsin. The program meets the needs of recent undergraduates seeking an advanced degree as well as employed professionals interested in opportunities for career advancement. Students may pursue the degree on a full-time or part-time basis. Many courses are offered evenings.

Prerequisites for Admission

Applicants must have completed or be in the process of completing a bachelor’s degree from an accredited college or university. Applicants with degrees in a wide range of scientific areas will be considered. These areas include: biological and medical science, computer science, mathematics, statistics, engineering and physical sciences. Students may be admitted on a probationary basis if they are not fully prepared to take courses carrying graduate credit in both computer science and biology.

Application Deadline

To be considered for fall admission, applications must be completed and received in the Graduate School by Jan. 15.

Application Requirements

Applicants must submit, directly to the Marquette University Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. An essay outlining relevant work experience or education, career goals, possible areas of interest, and reasons for seeking admission to this program.
4. Three letters of reference from professors or professionals familiar with the applicant’s abilities, academic work, and/or professional background.
5. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency. A recent GRE score is strongly recommended.

General Information

Students interested in applying to the program should consult the program website http://www.mcw.edu/graduateschool/Academic-Bulletin-2010-2012/Masters-Degree-Granting-Progra/Bioinformatics.htm for a list of currently approved courses and scheduled course offerings for the next term.

Special registration for this program is required, as courses are taken at both institutions. Students must register for BIIN 6947 Medical College of Wisconsin/BIIN-Joint Degree through Marquette University and for the matching MCW course through Medical College of Wisconsin.

Bioinformatics Master’s Requirements

Students are admitted to the program under Plan B (non-thesis option), although with the co-directors’ approval, students may elect to transfer to Plan A (thesis option). In both options below, courses taken for credit in this program must be from the list of courses approved by the Steering Committee. Exceptions must be approved by the Steering Committee.

Plan B Option (36 credits)

Students must complete 36 credit hours of course work, of which at least 24 hours must be earned in graduate-level courses (6000-level and above). Plan B Option students must take at least 18 credits at Marquette University.
Plan A Option (30 credits)

Students must complete 24 credit hours of course work, of which at least 18 credit hours must be earned in graduate-level courses (6000-level and above). Plan A Option students must take at least 15 credits at Marquette University. Students must also complete a master’s thesis for 6 credit hours and pass an oral examination concentrated on the thesis.

Required Courses

For both options (Plans A and B), the following courses are required:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BiIN 6000</td>
<td>Introduction to Bioinformatics</td>
<td>3</td>
</tr>
<tr>
<td>MSCS 6050</td>
<td>Elements of Software Development</td>
<td>3</td>
</tr>
<tr>
<td>BiIN 6980</td>
<td>Practicum in Bioinformatics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>3 credits of approved computer science courses at the 6000-level</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>3 credits of approved biological science courses at the 6000-level</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>3 credits of approved biological science or computer science courses at the 5000-level</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 21
Computational Sciences (CMPS)

Chairperson: Gary S. Krenz, Ph.D.
Program Director: Daniel B. Rowe, Ph.D.
marquette.edu/mscs/grad-computational.shtml

Degrees Offered

Master of Science, students are admitted under Plan B (non-thesis option) but Plan A (thesis option) is also offered; Doctor of Philosophy

Program Description

Computational science is the discovery, implementation, simulation and application of models to solve scientific and engineering problems. The master’s degree program accommodates students whose objectives are either the master’s degree or preparation for doctoral study in some aspect of the computational sciences. The doctoral program is designed for individuals of outstanding ability who show promise as researchers in an interdisciplinary environment.

The diverse research opportunities in our naturally interdisciplinary department are enhanced by the research programs of associated faculty on the Marquette campus in the sciences and engineering and Milwaukee area research laboratories and clinics. Consult the department website for the most current information.

Prerequisites for Admission

Admission to the master’s program in computational sciences requires an undergraduate degree in mathematics, statistics, computer science or a related field such as engineering or an area of science, with at least a minor (3 courses beyond a full calculus sequence) in mathematics and proficiency in a high-level computer language.

Admission to the doctoral program in computational sciences requires (in addition to the prerequisites for master’s admission) demonstrated promise for original research.

Application Deadline

To be considered for admission, all application requirements must be completed and received in the Graduate School by Jan. 15 for both the master’s and doctoral programs.

Application Requirements

Applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation addressing the applicant’s academic qualifications for graduate study in the intended program.
4. (For doctoral and all international applicants) GRE scores (General Test only).
5. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.
6. (For doctoral applicants only) English-language publications authored by the applicant, including a master’s thesis or essay, if applicable (optional, but strongly recommended).

Computational Sciences Master’s Requirements

A master’s student must complete a plan of study prepared in cooperation with an adviser and approved by the Graduate Committee of the Department of Mathematics, Statistics and Computer Science.

A master’s student is admitted to the non-thesis program (Plan B) which requires at least 30 credit hours of course work and a non-credit essay that reflects the student’s ability to synthesize source materials relating to a particular area of research or professional practice. An oral presentation of the essay is required.

A formal request to pursue a thesis (Plan A) must be approved by the department’s Graduate Committee and the Graduate School. The Plan A student must complete a minimum of 30 credit hours, including six hours of thesis credits, and submit a thesis that must be an original contribution to the student’s field of study. A public defense of the thesis is required.

All master’s students in computational sciences must complete the 18-credit core:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSCS 6010</td>
<td>Probability</td>
<td>3</td>
</tr>
<tr>
<td>MSCS 6020</td>
<td>Simulation</td>
<td>3</td>
</tr>
<tr>
<td>MSCS 6030</td>
<td>Applied Mathematical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MSCS 6040</td>
<td>Applied Linear Algebra</td>
<td>3</td>
</tr>
</tbody>
</table>
Computational Sciences Doctoral Requirements

A doctoral student in computational sciences must first complete a plan of study, designed to see the student through completion of the comprehensive examination. This plan of study should be prepared in cooperation with an adviser and approved by the Graduate Committee of the Department of Mathematics, Statistics and Computer Science.

Upon completion of the comprehensive examination, a doctoral student must then complete a program of study designed to see the student through completion of the program. This program of study should be defined, in cooperation with an adviser, on a Doctoral Program Planning Form and approved by the department’s Graduate Committee.

The total program, exclusive of dissertation, will contain a minimum of 45 credit hours of approved course work beyond the bachelor’s degree. Students must complete the 18-credit computational sciences core:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSCS 6010</td>
<td>Probability</td>
<td>3</td>
</tr>
<tr>
<td>MSCS 6020</td>
<td>Simulation</td>
<td>3</td>
</tr>
<tr>
<td>MSCS 6030</td>
<td>Applied Mathematical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MSCS 6040</td>
<td>Applied Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MSCS 6050</td>
<td>Elements of Software Development</td>
<td>3</td>
</tr>
<tr>
<td>MSCS 6060</td>
<td>Parallel and Distributed Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 18

Students must also complete at least 2 credits of MSCS 6090 Research Methods/Professional Development and twelve credit hours of MSCS 8999 Doctoral Dissertation. Approved programs of study will normally include 6 credits of courses outside the department and no more than 12 credits in undergraduate courses.

Advancement to candidacy for the doctoral degree is considered after successful completion of the comprehensive examination, completion of all course work specified in the Doctoral Program Planning Form and successful completion of the qualifying examination, conducted by the student’s doctoral committee. Typically, the doctoral committee also serves as the dissertation committee.

A doctoral student is expected to complete the core courses within the first two years of study, and to take the comprehensive examination at the first opportunity after their completion. A student who enters the program with the necessary core courses is expected to take the comprehensive exam at the first available time it is offered. No foreign language is required.
Computing (COMP)

Chairperson: Gary S. Krenz, Ph.D.
Program Director: Thomas Kaczmarek, Ph.D.
http://www.marquette.edu/mscs/grad-computing.shtml

Degree Offered
Master of Science, students are admitted under Plan B (non-thesis option) but Plan A (thesis option) is also offered

Program Description
Computing is a broad-based family of disciplines that includes computer science, computer engineering, software engineering, information systems and information technology. The computing program has been designed to allow the student to pursue studies in any combination of these disciplines.

This program is designed to meet the educational needs of present and future computing professionals interested in starting a career or updating their skills. Careers are in areas such as business and systems analysis, software engineering, project management, enterprise architecture, business process modeling and management, IT security, database design and administration, network design and administration, technology management and service management.

Students may select courses from a large number of approved courses offered by the Department of Mathematics, Statistics and Computer Science, the Department of Electrical and Computer Engineering, the Graduate School of Management and other units on campus.

Students may pursue the degree on a full-time or part-time basis. Many courses are offered evenings, and online classes are available.

Prerequisites for Admission
Applicants must have completed or be in the process of completing a bachelor’s degree from an accredited college or university. Applicants should also have taken at least two terms of computer programming courses in a modern computer programming language with knowledge of data structures (or equivalent work experience).

Application Requirements
Applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. An essay outlining relevant work experience or education, career goals, possible areas of interest and reasons for seeking admission to this program.
4. Three letters of reference from professors or professionals familiar with the applicant’s abilities, academic work and/or professional background.
5. (For international applicants who have not attended an English-speaking university only) a minimum TOEFL score of 80 on the Internet-based version or other acceptable proof of English proficiency.

Application Deadline
The master of science program in computing follows the Graduate School deadlines for the submission of applications: August 1 for fall admission, December 15 for spring admission, and May 1 for summer admission. However, to be considered for financial aid, applications for fall must be submitted by January 15. Decisions about acceptance into the program are made when all required documents for the application are received. Admission decisions are made independently of decisions to offer financial aid.

General Information
Students interested in applying to the program should consult the program website at mu.edu/mscs/graduate/comp/ (http://www.mscs.mu.edu/mscs/graduate/comp) for additional information, including a list of currently approved courses for the degree.

A complete list and short description of the courses offered by the Mathematics, Statistics and Computer Science Department (MSCS) is available on the MSCS Department page of the bulletin (p. 162).

Computing Master’s Requirements
Students are admitted to the program under the non-thesis option (Plan B), and most students graduate under this plan. Students may apply for the thesis option (Plan A) on approval of a thesis outline by their adviser and the computing program’s Graduate Committee.
The course of study is very flexible. Students complete a breadth requirement, primary and secondary concentrations and additional courses suited to their backgrounds and career goals. The program director and faculty advisers work very closely with students to ensure that they achieve their educational goals through appropriate course selection.

Computing students gain both breadth and an in-depth knowledge of their field.

**Breadth Requirement (12 credits)**

Computing students experience the breadth of the field by completing (or having completed before entering the program) at least three credits in four of the following five areas:

1. Information Management
2. Hardware and Software Architecture and Organization
3. Operating Systems
4. Programming Concepts and Skills
5. Software Engineering.

Classes at the 5000-level and the 6000-level have been designated by the program in each area, but satisfaction of the breadth requirement does not rely on any specific course selection. An individual plan is developed by the student and approved by the computing program’s Graduate Committee.

**Concentrations (18 credits)**

Concentrations provide in-depth knowledge areas and often reflect possible long-term career objectives. Primary and secondary concentrations are driven by students’ interests working with an adviser. Each student must have one primary concentration of at least 12 credits, and a different secondary concentration of at least six credits. For students in the thesis option (Plan A), the six thesis credits are considered the secondary concentration.

Courses taken to satisfy the breadth requirement also count toward primary and secondary concentrations. No course may be counted toward satisfying both a primary and a secondary concentration. The breadth and concentration requirements may be satisfied with any combination of approved 5000- and 6000-level classes, subject to the overall Plan A or Plan B requirements for 6000-level credits.

Primary or secondary concentrations include, but are not limited to, the following:

- Foundations of Computation
- Distributed Computing
- Software Engineering, Programming Concepts and Skills
- Intelligent Systems and Information Management
- Hardware and Software Architecture and Organization.

Specific courses in each concentration are designated by the computing program. The final course selections are determined on an individual basis with approval by an adviser. Consult the program website at marquette.edu/mscs/grad-computing.shtml for a list of the currently approved courses.

**Additional Course Work**

Courses beyond the breadth and concentration requirements are taken from a list of computer science, information technology and computer engineering courses approved by the computing program. Six out-of-program elective credits may be selected from other Marquette graduate courses germane to computing or its applications.

**Plan B Option (36 credits)**

Students must complete 36 credit hours of course work, of which at least 18 hours must be earned in graduate-level courses (6000-level and above).

**Plan A Option (30 credits)**

Students must complete 24 credit hours of course work, of which at least 12 hours must be earned in graduate-level courses (6000-level and above). Students must also complete a master’s thesis for 6 credit hours and pass the oral examination concentrated on the thesis. The six thesis credits are considered the secondary concentration.
Mathematics for Secondary School Teachers (MSST)

Chairperson: Gary S. Krenz, Ph.D.
Program Director: Daniel B. Rowe, Ph.D.
marquette.edu/mscs/grad-msst.shtml

Degree Offered
Master of Science, students are admitted under Plan B (non-thesis option) but Plan A (thesis option) is also offered

Program Description
The mathematics for secondary school teachers (MSST) specialization is designed for teachers who wish to do graduate work in the mathematical sciences but do not anticipate graduate study in mathematics beyond the master’s level.

Prerequisites for Admission
Mathematics for secondary school teachers (MSST) applicants should hold, or be eligible to hold, a teaching certificate for secondary school mathematics.

Application Deadline
To be considered for admission, all application requirements must be completed and received in the Graduate School by Jan. 15.

Application Requirements
Applicants must submit, directly to the Graduate School:
1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation addressing the applicant’s academic qualifications for graduate study in the intended program.
4. (For international applicants only) GRE scores (General Test only).
5. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

Mathematics for Secondary School Teachers Master’s Requirements
A master’s student must complete a plan of study prepared in cooperation with an adviser and approved by the Graduate Committee of the Department of Mathematics, Statistics and Computer Science.

A master’s student is admitted to the non-thesis program (Plan B) which requires at least 30 credit hours of course work and a non-credit essay that reflects the student’s ability to synthesize source materials relating to a particular area of research or professional practice. An oral presentation of the essay is required.

A formal request to pursue a thesis (Plan A) must be approved by the department’s Graduate Committee and the Graduate School. The Plan A student must complete a minimum of 30 credit hours, including six credit hours of MSCS 6999 Master’s Thesis and submit a thesis that must be an original contribution to the student’s field of study. A public defense of the thesis is required.

The mathematics for secondary school teachers specialization requires successful completion of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSCS 5300</td>
<td>History of Mathematical Ideas</td>
<td>3</td>
</tr>
<tr>
<td>MSCS 6953</td>
<td>Seminar in Mathematics Curriculum Development and Material 1</td>
<td>3</td>
</tr>
<tr>
<td>or MSCS 6954</td>
<td>Seminar in Mathematics Curriculum Development and Material 2</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 6
Nursing (NURS)

Administration
Dean: Margaret Faut-Callahan, C.R.N.A., Ph.D., F.A.A.N.
Associate Dean for Graduate Programs: Maureen E. O’Brien, Ph.D., R.N., P.C.N.S.-B.C.
Director of the Ph.D. Program: Margaret J. Bull, Ph.D., R.N., F.A.A.N.
Director of Graduate Operations: Mary Ann Lough, Ph.D., R.N.
marquette.edu/nursing/academicprograms-graduate.shtml

Degrees Offered
Master of Science in Nursing, students are admitted under Plan B (non-thesis option) but Plan A (thesis option) is also offered; Post-master’s Certificate; Doctor of Nursing Practice, Doctor of Philosophy

Specializations
M.S.N.:
Advanced Practice Nursing: Adult-Older Adult Acute Care Nurse Practitioner
Advanced Practice Nursing: Adult-Older Adult Primary Care Nurse Practitioner
Advanced Practice Nursing: Adult-Older Adult Primary Care Clinical Nurse Specialist
Advanced Practice Nursing: Nurse-Midwifery
Advanced Practice Nursing: Older Adults
Advanced Practice Nursing: Pediatric Primary Care Nurse Practitioner/Clinical Nurse Specialist
Advanced Practice Nursing: Pediatric Acute Care Nurse Practitioner
Clinical Nurse Leader
Systems Leadership and Healthcare Quality

Post-master’s Certificate:
Adult-Older Adult Acute Care Nurse Practitioner
Adult-Older Adult Clinical Nurse Specialist
Adult-Older Adult Nurse Practitioner
Gerontologic Clinical Nurse Specialist
Gerontologic Nurse Practitioner
Systems Leadership and Healthcare Quality
Nurse-Midwifery
Pediatric Primary Care Nurse Practitioner
Pediatric Acute Care Nurse Practitioner

D.N.P.:
Advanced Practice Nursing: Adult-Older Adult Acute Care Nurse Practitioner
Advanced Practice Nursing: Adult-Older Adult Primary Care Nurse Practitioner
Advanced Practice Nursing: Nurse-Midwifery
Advanced Practice Nursing: Older Adults
Advanced Practice Nursing: Pediatric Primary Care Nurse Practitioner/Clinical Nurse Specialist
Advanced Practice Nursing: Pediatrics Acute Care Nurse Practitioner
Systems Leadership and Healthcare Quality

Ph.D.: No specializations offered

Program Descriptions

Master of Science in Nursing
The master of science in nursing program prepares nurses for roles in advanced practice nursing or nursing administration. Graduates are academically eligible to seek formal professional certification in such areas as: nurse practitioner, clinical nurse specialist, nurse-midwife, nurse administrator or clinical nurse leader.

Advanced Practice Nursing: Adult-Older Adult Acute Care Nurse Practitioner
This specialization prepares the student to apply advanced clinical assessment skills to complex health problems commonly encountered by acutely ill adults across the health care continuum. Graduates will be academically eligible to take the national certification examination for the Acute Care Nurse Practitioner.
Advanced Practice Nursing: Adult-Older Adult - Primary Care Nurse Practitioner or Clinical Nurse Specialist
This specialization prepares the student for the care of adults, including knowledge of human responses, health promotion and disease prevention, advanced physical assessment, diagnosis and management of health problems. Graduates will be academically eligible to take the national certification exam for either Clinical Nurse Specialist or Primary Care Nurse Practitioner.

Advanced Practice Nursing: Nurse-Midwifery
This specialization prepares the student for independent management of essentially normal newborns and women during the antepartum, intrapartum and postpartum periods and for gynecologic care throughout the life-span. Graduates will be academically eligible to take the national certification examination of the American Midwifery Certification Board, Inc.

Advanced Practice Nursing: Older Adults
This specialization prepares the student for primary care and complex management of older adults with simple to complex health problems. Graduates will be academically eligible to take the national certification examination for Geriatric Nurse Practitioner or Clinical Nurse Specialist.

Advanced Practice Nursing: Pediatrics
This specialization prepares the student for independent management of children and families seeking health care for simple to complex health problems (primary care) and acute to critically ill problems (acute care pediatric nurse practitioner). Graduates will be academically eligible to take the national certification examination for Pediatric Nurse Practitioner/Clinical Nurse Specialist in Pediatrics (Primary Care) or Acute Care Pediatric Nurse Practitioner.

Clinical Nurse Leader
This specialization prepares the student to have competence in clinical outcomes management and health care environment management. Students complete core M.S.N. courses and a combination of illness management and health care systems leadership courses. These graduates remain at the point of care and assure patients receive health care in a safe, cost effective, timely manner by implementing lateral integration of care services. Graduates are academically eligible to take the AACN CNL® Certification Examination.

Systems Leadership and Healthcare Quality
This specialization prepares the student for the administration of nursing services in a variety of health care organizations. Graduates will be academically eligible to take the national certification examination for Nursing Administration.

Post-Master’s Graduate Certificate
This program prepares the nurse who already has a master of science in nursing to become academically eligible for certification as an Advanced Practice Nurse or to practice as a Doctor of Nursing Practice.

Doctor of Nursing Practice
The doctor of nursing practice will emphasize development of nursing practice expertise at the highest level. The curriculum includes translational research, epidemiology, informatics, statistics, advanced clinical practice, health policy and professional issues. Specializations include: systems leadership and healthcare quality and advanced practice in acute care adult-older adult, primary care adult-older adult, nurse-midwifery, older adults or pediatrics (primary care or acute care). B.S.N. to D.N.P. and post-M.S.N. to D.N.P. options are available. Marquette University M.S.N. Second Degree Direct Entry for Non-Nurses students may apply after successful completion of NCLEX and submission of Wisconsin Registered Nurse License.

Doctor of Philosophy
The doctor of philosophy program in nursing prepares teacher-scholars. The curriculum focuses on vulnerable populations, which include persons at high risk for adverse health outcomes. Persons who are vulnerable may include such groups as the unborn, chronically ill, frail elders, impoverished children and the marginalized. The graduate of this doctoral program will have the ability to advance health care through teaching, research and health care leadership.

Doctoral education in nursing is built on the master’s level nursing foundation. It is characterized by the acquisition of research skills necessary for the discovery and use of new nursing knowledge and for preparation for teaching roles.

Master of Science in Nursing — Second Degree Direct Entry for Non-Nurses
The master’s program for non-nursing graduates is designed for those individuals who hold baccalaureate degrees in fields other than nursing and who wish to become nurses. The program builds upon the student’s broad educational preparation and provides an intense, accelerated and specialized nursing curriculum to meet the student’s career goals.

Master of Science in Nursing — Second Degree Direct Entry for A.D.N. Nurses
This program facilitates students who have an associate’s degree in nursing and also have a bachelor’s degree in a discipline other than nursing to complete a master of science in nursing degree.
Prerequisites for Admission

Applicants to the master of science in nursing (M.S.N.) program or the doctor of nursing practice (D.N.P.) program should have graduated with, or be about to graduate with, a bachelor’s degree in nursing from a nationally accredited program with an upper division major in nursing. A cumulative undergraduate GPA of 3.000 on a 4.000 scale is required.

Prior to or during the first term of study, all master of science in nursing and doctor of nursing practice applicants must have taken undergraduate nursing research and a statistics course which included inferential analysis (must be completed within 5 years of program start date).

Applicants that select an advanced practice nursing specialization must have taken an undergraduate course in health assessment. It is recommended that applicants to the systems leadership and healthcare quality or to the advanced practice nursing specializations in acute care, nurse-midwifery or pediatrics have a minimum of one year related professional experience.

Applicants to the doctor of philosophy (Ph.D.) program in nursing should have graduated with, or be about to graduate with, a bachelor’s degree in nursing from a nationally accredited program or a master’s degree in nursing from a nationally accredited program. For a bachelor’s applicant, the requirements are: RN licensure, a GPA of 3.000 on a 4.000 scale, a statistics course within the last 5 years, acceptable GRE scores, three letters of reference, a goal statement and a personal interview. Generally, for a master’s applicant, a cumulative graduate GPA of 3.300 on a 4.000 scale is recommended. A graduate level research course is a required prerequisite.

Familiarity with computers and the Web (e.g., electronic retrieval of data, word processing) is required for all applicants. Some courses use web-enhanced and/or hybrid teaching.

Application Deadlines and Start Terms

Nov. 15 For spring admission: M.S.N., post-master’s certificates, and Ph.D. programs
Dec. 31 For summer admission: direct entry program for non-nurses
Feb. 15 For fall admission: M.S.N., post-master’s certificates, Ph.D., and D.N.P. programs

Ph.D. and D.N.P. applicants who apply after the Feb. 15 deadline will be considered on a space-available basis for fall admission, provided their application is complete by June 1.

M.S.N. and post-master’s certificate applicants are not eligible for summer admission, and D.N.P. applicants must begin their program in fall.

Application Requirements

Applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. (For master’s and D.N.P. applicants only) three completed recommendation forms prepared by previous or present employers and teachers familiar with graduate education in nursing.
4. (For Ph.D. applicants only) three Ph.D. letters of recommendation.
5. (For master’s and D.N.P. applicants only) GRE scores (General Test only). Waived if undergraduate GPA is 3.200 or above. Waived for applicants who have a master’s degree and the master’s GPA is 3.200 or above.
6. (For Ph.D. applicants only) GRE scores (General Test only). Waived if applicant is Marquette M.S.N. graduate with GPA of 3.700 or above.
7. (For post-master’s D.N.P. applicants only) evidence of certification in a specialty.
8. A resume and written statement of professional goals, including reasons for pursuing graduate study. For Ph.D. applicants, a curriculum vitae and objectives/career intentions, including research interests.
9. (For Ph.D. applicants only) sample of scholarly writing.
10. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

An interview is required for applicants to the advanced practice nursing specializations in acute care nurse practitioner, nurse-midwifery and pediatrics.

With the exception of Second Degree Direct Entry M.S.N. applicants, an applicant must be registered in the United States as a professional nurse. Graduates of nursing schools in foreign countries must successfully complete the examination administered by the Commission on Graduates of Foreign Nursing Schools and must be licensed in Wisconsin.

Upon acceptance to the graduate program, students must complete and submit the Graduate Student Health Status Report form. Information on CPR requirements, physical examination and immunization status, including results of a T.B. skin test and proof of Wisconsin R.N. licensure and a criminal background check must be submitted to a program on the website www.certifiedbackground.com/ (http://
www.certifiedbackground.com). Results of a T.B. skin test must be provided annually. Students are responsible for the cost of these services. The information is required for progression within the program.

Acute care nurse practitioner students must demonstrate evidence of current Advanced Cardiac Life Support certification and have experience working with acutely ill adults. Pediatric acute care nurse practitioner students need to be PALS certified and have experience working with acutely ill children.

Direct Entry Programs

Master of Science in Nursing — Second Degree Direct Entry for Non-Nurses

The master’s program for non-nursing graduates is designed for those individuals who hold baccalaureate degrees in fields other than nursing and who wish to become nurses. The program builds upon the student’s broad educational preparation and provides an intense, accelerated, and specialized nursing curriculum to meet the student’s career goals.

Students complete the nursing requirements and meet the bachelor of science in nursing program objectives in an intense 15-month, pre-licensure phase and progress to graduate study. During the spring term of the pre-licensure phase, students select a graduate option. Note that some options highly recommend and/or require a year of practice prior to beginning clinical practice courses; this most likely necessitates part-time study. The NCLEX (National Council Licensure Examination) must be taken within 2 months of completion of the pre-licensure phase, with proof of a Wisconsin Registered License submitted by Oct. 15.

An interview is required for admission to the M.S.N. pediatrics, nurse-midwifery and acute care options. Note: Entry into the master’s phase of the program is conditional. See #5 below. Note that generally 3 to 4 years are required to complete the specialty portion of the program.

Students are then prepared in the M.S.N. program for nursing administration, clinical nurse leader or advanced nursing practice roles in: adult-older adult acute care nurse practitioner, adult-older adult primary care nurse practitioner or clinical nurse specialist, Nurse-Midwifery, pediatrics primary care, pediatrics acute care.

Admission Requirements for M.S.N. — Second Degree Direct Entry for Non-Nurses

1. Baccalaureate degree in a discipline other than nursing with a GPA of 3.000 or above, using a 4.000 system.
2. GRE scores (General Test only). Waived if applicant already has a master’s degree or if undergraduate GPA is 3.200 or above.
3. Completion of three recommendation forms.
4. Maintain an average of B or above each term, and completion of the following prerequisite courses with grade of C or above:
   - Anatomy and physiology: 5-6 credits (preferably within the last 5 years)
   - Chemistry or biochemistry or biology or microbiology: 5-6 credits total (preferably within the last 5 years)
   - Behavioral sciences, e.g., psychology, sociology: 3 credits
   - Statistics (including inferential): 3 credits to be completed within the last 5 years of program start date.
5. Maintenance of 3.000 GPA each term and every summer session in pre-licensure phase.
6. Full-time status is required for the pre-licensure phase.

Master of Science in Nursing — Second Degree Direct Entry for A.D.N. Nurses

This program facilitates students who have an associate’s degree in nursing and also have a bachelor’s degree in a discipline other than nursing to complete a master of science in nursing degree. Prior to completing courses in the option of choice, students must complete:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 3200</td>
<td>Introduction to Nursing Research</td>
<td>3</td>
</tr>
<tr>
<td>NURS 4500</td>
<td>Nursing of Communities – Theory</td>
<td>3</td>
</tr>
<tr>
<td>NURS 4501</td>
<td>Nursing of Communities – Practicum</td>
<td>3</td>
</tr>
<tr>
<td>NURS 4650</td>
<td>Nursing Leadership</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 12

Admission Requirements for M.S.N. — Second Degree Direct Entry for A.D.N. Nurses

1. Baccalaureate degree in a discipline other than nursing with a GPA of 3.000 or above, using a 4.000 system.
2. Associate’s degree in nursing with a GPA of 3.000 or above, using a 4.000 system.
3. GRE scores (General Test only). Waived if applicant already has a master’s degree or if undergraduate GPA is 3.200 or above.
4. Completion of three recommendation forms.
5. Resume and written statement of professional goals.
6. Official transcripts from all current and previous colleges/universities except Marquette.
7. Completion of the following prerequisite courses with grade of C or above:
   - Anatomy and physiology: 5-6 credits
   - Chemistry or biochemistry or biology or microbiology: 5-6 credits total
• Behavioral sciences (e.g. psychology, sociology): 3 credits
• Statistics (including inferential): 3 credits to be completed within 5 years of program start date.

Joint Program of Study
M.S.N.-M.B.A. Degree

The College of Nursing, in conjunction with the Graduate School of Management, offers a program of joint study leading to a master of science in nursing (M.S.N.) degree with a specialization in health care systems leadership and a master of business administration (M.B.A.). Students seeking admission to the joint program apply to the Graduate School and must meet the admission requirements for both the M.S.N. and M.B.A. programs. However, official test scores from the Graduate Management Admission Test (GMAT) may substitute for the GRE admission requirement in the College of Nursing. Because students are officially admitted into only one Marquette University graduate program at a time, applicants must indicate which program they intend to pursue and complete first, although once accepted for admission to both programs, students may take courses from both departments. Upon completion of the first program, the student will be officially admitted to the second program for completion of the remainder of the joint program.

Joint program students complete a total of 60 credits:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCO 6000</td>
<td>Accounting Foundations</td>
<td>2</td>
</tr>
<tr>
<td>ECON 6000</td>
<td>Economics Foundations</td>
<td>2</td>
</tr>
<tr>
<td>MANA 6000</td>
<td>Mathematics Foundations</td>
<td>2</td>
</tr>
<tr>
<td>NURS 6000</td>
<td>Theoretical Foundations of Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6007</td>
<td>Ethics in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6009</td>
<td>Creating Nursing Care Systems</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6010</td>
<td>Nursing Research Design and Methodology</td>
<td>3</td>
</tr>
<tr>
<td>ACCO 6100</td>
<td>Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ECON 6100</td>
<td>Managerial Economics</td>
<td>3</td>
</tr>
<tr>
<td>FINA 6100</td>
<td>Financial Management</td>
<td>3</td>
</tr>
<tr>
<td>MANA 6100</td>
<td>Organizational Behavior</td>
<td>3</td>
</tr>
<tr>
<td>MANA 6240</td>
<td>Strategic Management in a Global Economy</td>
<td>3</td>
</tr>
<tr>
<td>MARK 6100</td>
<td>Marketing Management</td>
<td>3</td>
</tr>
<tr>
<td>OSCM 6100</td>
<td>Operations and Supply Chain Management</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 6820</td>
<td>Health Care Program Development</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 6841</td>
<td>Health Care Finance</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 6848</td>
<td>Health Care Policy</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 6835</td>
<td>Health Care Informatics, Technology and Professional Issues</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6852</td>
<td>Health Care Systems Leadership 2</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6853</td>
<td>Health Care Systems Leadership-Practicum</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 60

A comprehensive examination in the nursing content area is required. MANA 6240 Strategic Management in a Global Economy serves as the final integrating experience for the business content area. MANA 6240 Strategic Management in a Global Economy may be taken only after completing all other core course requirements.

General Information

Clinical courses in the College of Nursing are restricted to students in the degree program. Various clinical facilities in the greater Milwaukee area, throughout Wisconsin and in northern Illinois are utilized for practica.

While Marquette University is concerned about the professional advancement of its students, facilitates the process of certification, and provides excellent educational opportunities, it cautions that professional success in a chosen field requires, above all else, constant development of individual abilities, personal initiative, and a professional sense of commitment to fulfill all appropriate legal and technical responsibilities. Hence, the university assumes no responsibility for the success of the students in obtaining educational certification or other types of professional licensure.

Licensure in Wisconsin is mandatory for employment with compensation.

Progression Policy

The College of Nursing Academic Progression Policy for Graduate Students applies to all course work taken during the academic year and summer sessions. The policies of the Graduate School on academic performance, professional integrity, professional performance, academic dishonesty, and student conduct are all followed by the College of Nursing. A variety of responses to problems in any of these areas may be implemented, depending on the nature of the problems encountered. Warnings, remediation plans, probation, immediate
withdrawal from clinical or laboratory activities, suspension and dismissal are all possible actions under these policies. The College of Nursing considers any of the following as possible grounds for dismissal:

- Lack of satisfactory academic progress as evidenced by a failure to achieve a minimum cumulative GPA of 3.000 while on academic probation.
- Serious or repeated problems with academic, laboratory or clinical performance.
- Serious or repeated problems with professional integrity and professionalism.
- Serious or repeated problems with academic honesty.
- A lack of substantial and visible progress toward completion of program requirements, including failure to complete the comprehensive or qualifying examination, thesis or dissertation or capstone project.

**Special Fees**

1. $50 – Cardiopulmonary Resuscitation (CPR) Certification. (This certification must be maintained throughout the student’s program through biannual recertification.)
2. $75 – Health requirements and criminal background check initial fee (approximate fee). $40 each subsequent year (approximate fee). Visit www.certifiedbackground.com/ (http://www.certifiedbackground.com) for more information.
3. $350 – Assessment Tests, predictor examination, and NCLEX review course for the M.S.N. program for Non-Nursing Graduates. (Approximate fee. Exact amount based upon vendor costs in effect at time of registration.)
4. $300 – Uniforms for the M.S.N. program for Non-Nursing Graduates. (Approx. fee. Must be purchased through a private vendor. Vendor list available from the College of Nursing.)
5. $175 – Assessment Equipment for the M.S.N. program for Non-Nursing Graduates. (Stethoscope $70. Sphygmomanometer $60. Approx. fee. Exact amt. based upon vendor costs in effect at time of registration. Must be purchased through a private vendor.)

**Accreditation**

Marquette University College of Nursing is accredited by the Commission on Collegiate Nursing Education, One Dupont Circle, NW, Suite 530, Washington, D.C. 20036-1120; (202) 877-6791, and the Accreditation Commission for Midwifery Education (ACME) of the American College of Nurse-Midwives (ACNM), 8403 Colesville Road, Suite 1550, Silver Spring, MD 20910-6374; (240) 485-1800.

**Nursing Master’s Requirements**

The following requirements are in effect for academic year 2012-2013. Requirements may change due to changes in national standards.

Nursing students are admitted to the Graduate School under Plan B (non-thesis option). Plan B students are not required to write a thesis but must take a comprehensive written or oral examination. Students may change to the Plan A (thesis) option if an official Change of Plan Form is submitted to the Office for Graduate Nursing Programs and is approved by the Graduate School. A comprehensive exam is not required under the Plan A option.

The number of credits required to complete a degree is based on the area of specialization. Students completing a thesis must enroll for six additional thesis credits.

**Specializations and Credits Required**

<table>
<thead>
<tr>
<th>Area</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adult-Older Adult Acute Care Nurse Practitioner</td>
<td>42</td>
</tr>
<tr>
<td>Adult-Older Adult - PCNP or CNS</td>
<td>42</td>
</tr>
<tr>
<td>Nurse-Midwifery</td>
<td>49</td>
</tr>
<tr>
<td>Older Adults</td>
<td>42</td>
</tr>
<tr>
<td>Pediatrics</td>
<td>42</td>
</tr>
<tr>
<td>Clinical Nurse Leader</td>
<td>33</td>
</tr>
<tr>
<td>Health Care Systems Leadership</td>
<td>39</td>
</tr>
</tbody>
</table>

All students in the master of science in nursing program will take the four core courses (12 credits) and all courses listed for their specific program option. Clinical practicum experiences include a minimum of five hours per credit.

**Core Courses for All Specializations**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 6000</td>
<td>Theoretical Foundations of Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6007</td>
<td>Ethics in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6009</td>
<td>Creating Nursing Care Systems</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6010</td>
<td>Nursing Research Design and Methodology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credit Hours**

12
## Specialization Course Requirements

### APN: Adult-Older Adult Acute Care Nurse Practitioner

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 6030</td>
<td>Pathophysiological Concepts for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6032</td>
<td>Pharmacology for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6035</td>
<td>Advanced Health Assessment</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6037</td>
<td>Management of Episodic Health Problems</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6240</td>
<td>Complex Health Problems</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6335</td>
<td>Differential Diagnosis and Advanced Skills for the Acutely Ill Adult</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6340</td>
<td>Complex Acute Care Problems</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6351</td>
<td>Advanced Nursing Care of the Acutely Ill Adult-Older Adult 1-Practicum</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6352</td>
<td>Advanced Nursing Care of the Acutely Ill Adult-Older Adult 2-Practicum</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6353</td>
<td>Advanced Nursing Care of the Acutely Ill Adult-Older Adult 3-Practicum</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 30

### APN: Adult-Older Adult Primary Care Nurse Practitioner

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 6030</td>
<td>Pathophysiological Concepts for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6032</td>
<td>Pharmacology for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6035</td>
<td>Advanced Health Assessment</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6037</td>
<td>Management of Episodic Health Problems</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6240</td>
<td>Complex Health Problems</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6257</td>
<td>Advanced Nursing of Adults-Older Adults 3-Practicum</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6242</td>
<td>Concepts and Interventions for Health Problems Across the Life-Span</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6251</td>
<td>Advanced Nursing of Adults-Older Adults 1-Practicum</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6252</td>
<td>Advanced Nursing of Adults-Older Adults 2-Practicum</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6244</td>
<td>Health Promotion Across the Life-Span</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 30

### APN: Adults-Older Adult Clinical Nurse Specialist

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 6030</td>
<td>Pathophysiological Concepts for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6032</td>
<td>Pharmacology for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6035</td>
<td>Advanced Health Assessment</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6242</td>
<td>Concepts and Interventions for Health Problems Across the Life-Span</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6244</td>
<td>Health Promotion Across the Life-Span</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6258</td>
<td>Adult-Older Adult Clinical Nurse Specialist Practicum 1</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6259</td>
<td>Adult-Older Adult Clinical Nurse Specialist Practicum 2</td>
<td>3</td>
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</tbody>
</table>

6 credits of HEAL or NURS electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Elective</td>
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Total Credit Hours: 30

### APN: Nurse-Midwifery

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>NURS 6030</td>
<td>Pathophysiological Concepts for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6032</td>
<td>Pharmacology for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6035</td>
<td>Advanced Health Assessment</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6037</td>
<td>Management of Episodic Health Problems</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6740</td>
<td>Advanced Concepts in Women’s Health Care Management Across the Life-Span</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6742</td>
<td>Advanced Concepts in Antepartum Management</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6744</td>
<td>Advanced Concepts in Postpartum and Newborn Management</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6746</td>
<td>Professional Issues in APN/D.N.P. Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6752</td>
<td>Nurse-Midwifery Care During Labor and Birth</td>
<td>5</td>
</tr>
<tr>
<td>NURS 6753</td>
<td>Advanced Practicum in Nurse-Midwifery</td>
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</table>

Total Credit Hours: 37

### APN: Pediatric Primary Care Nurse Practitioner/Clinical Nurse Specialist

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>NURS 6030</td>
<td>Pathophysiological Concepts for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6032</td>
<td>Pharmacology for Advanced Nursing Practice</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6244</td>
<td>Health Promotion Across the Life-Span</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6535</td>
<td>Advanced Assessment in Parent/Child Nursing</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6536</td>
<td>Complex/Chronic Pediatric Health Conditions</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6540</td>
<td>Seminar in Child and Family Health</td>
<td>3</td>
</tr>
<tr>
<td>NURS 6542</td>
<td>Nursing Therapeutics for Acute/Episodic Illnesses in Children and Adolescents</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 37
NURS 6551  Advanced Nursing Care of Children and Families 1-Practicum  3  
NURS 6552  Advanced Nursing Care of Children and Families 2-Practicum  3  
NURS 6553  Advanced Nursing Care of Children and Families 3-Practicum  3  

Total Credit Hours  30

APN: Pediatric Acute Care Nurse Practitioner

NURS 6030  Pathophysiological Concepts for Advanced Nursing Practice  3  
NURS 6032  Pharmacology for Advanced Nursing Practice  3  
NURS 6242  Concepts and Interventions for Health Problems Across the Life-Span  3  
NURS 6535  Advanced Assessment in Parent/Child Nursing  3  
NURS 6536  Complex/Chronic Pediatric Health Conditions  3  
NURS 6540  Seminar in Child and Family Health  3  
NURS 6640  Nursing Therapeutics for Acute/Critical Illnesses in Children and Adolescents  3  
NURS 6651  Acutely Ill Children Practicum  3  
NURS 6652  Acutely/Chronically Ill Children Practicum  3  
NURS 6653  Critically Ill Children Practicum  3  

Total Credit Hours  30

Clinical Nurse Leader

HEAL 6049  Outcomes Management  3  
HEAL 6825  Quality & Patient Safety in Health Care, Political Philosophy  3  
HEAL 6835  Health Care Informatics, Technology and Professional Issues  3  
NURS 6030  Pathophysiological Concepts for Advanced Nursing Practice  3  
NURS 6032  Pharmacology for Advanced Nursing Practice  3  
NURS 6244  Health Promotion Across the Life-Span  3  
NURS 6964  Clinical Nurse Leader Practicum (variable credits per term)  6  

One of the following:  3  
NURS 6035  Advanced Health Assessment  
NURS 6535  Advanced Assessment in Parent/Child Nursing  

Total Credit Hours  27

Systems Leadership and Healthcare Quality

HEAL 6820  Health Care Program Development  3  
HEAL 6825  Quality & Patient Safety in Health Care, Political Philosophy  3  
HEAL 6830  Quality Improvement Science in Health Care  3  
HEAL 6835  Health Care Informatics, Technology and Professional Issues  3  
HEAL 6841  Health Care Finance  3  
HEAL 6848  Health Care Policy  3  
NURS 6851  Health Care Systems Leadership 1  3  
NURS 6852  Health Care Systems Leadership 2  3  
NURS 6853  Health Care Systems Leadership-Practicum  3  

Total Credit Hours  27

Post-Master’s Requirements for Certification

This program prepares the nurse who already has a master of science in nursing to become academically eligible for certification as an Advanced Practice Nurse. Programs are offered in the following specialties: adult-primary adult acute care nurse practitioner, adult-primary adult primary care nurse practitioner or clinical nurse specialist, nurse-midwifery, pediatrics primary care, pediatrics acute care and systems leadership and healthcare quality.

Specific information regarding application and course requirements may be obtained from the College of Nursing, Clark Hall, P.O. Box 1881, Milwaukee, WI 53201-1881, (414) 288-3810.

Nursing Doctor of Philosophy

The doctor of philosophy (Ph.D.) program in nursing is designed to prepare teachers of nursing and scholars who will contribute to the body of knowledge related to vulnerable populations. Graduates of the program will be prepared to:

1. Teach students to be nurses and advanced practitioners to be able to improve the health status of vulnerable populations.
2. Design and conduct independent research that will impact the health of vulnerable populations.
3. Develop, test, and refine theories as a basis for nursing science.
4. Analyze patterns of health and illness among vulnerable populations.
5. Synthesize research findings to provide leadership in health care.

Curriculum
The doctoral program is a 51 credit post-master of science in nursing program with course work in the following five categories:

Nursing Science (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 8000</td>
<td>Nursing Knowledge Development</td>
<td>3</td>
</tr>
<tr>
<td>NURS 8010</td>
<td>Vulnerable Populations</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 6430</td>
<td>Philosophy of Knowledge</td>
<td>3</td>
</tr>
<tr>
<td>NURS 8980</td>
<td>Nursing Research Seminar and Practicum</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
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<td>12</td>
</tr>
</tbody>
</table>

Research and Statistics (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEAL 8002</td>
<td>Qualitative Research</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 8003</td>
<td>Quantitative Research</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 8015</td>
<td>Applied Statistics for Health Sciences</td>
<td>3</td>
</tr>
<tr>
<td>HEAL 8016</td>
<td>Advanced Applied Statistics</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

Teaching (9 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 8020</td>
<td>Nursing Education Research, Policy, and Leadership</td>
<td>3</td>
</tr>
<tr>
<td>NURS 8981</td>
<td>Residency in Nursing Education</td>
<td>3</td>
</tr>
<tr>
<td>COPS 8032</td>
<td>Theories of Motivation</td>
<td>3</td>
</tr>
<tr>
<td>or EDPL 8450</td>
<td>Theories of Learning Applied to Instruction</td>
<td></td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>9</td>
</tr>
</tbody>
</table>

Cognates (6 credits)
Six credits supportive of dissertation.

Dissertation (12 credits)
A doctoral student will follow a program of study defined, in conjunction with an adviser, on an approved Doctoral Program Planning Form. The student must complete all requirements listed on the Doctoral Program Planning Form, pass a qualifying examination and successfully defend a dissertation to complete the program. The doctoral dissertation must represent an original research contribution and show high attainment and clear ability to do independent research.

Doctor of Nursing Practice
The doctor of nursing practice (D.N.P.) program is designed to prepare advanced practice nurses and nurse administrators at the highest level. Graduates of the program will be prepared to:

1. Provide evidence-based advanced nursing care to individuals, families, communities and/or clinical populations.
2. Apply analytical methodologies to evaluate and monitor patient, population and care system outcomes.
3. Analyze and apply models, theories, and scientific evidence to improve health care of diverse populations.
4. Demonstrate advanced levels of scholarship, clinical judgment, systems thinking and accountability in nursing practice.
5. Employ consultative and leadership skills within nursing and interdisciplinary health care teams to transform health care and complex health care delivery systems to improve health.

Curriculum
The doctor of nursing practice (D.N.P.) is a post baccalaureate degree requiring 66 credits for the advanced practice options and 63 credits for the health care systems leadership option to be completed in three years by full-time students. In addition, a “bridge” program was created for advanced practice nurses already holding an M.S.N. who want to pursue the D.N.P. For those with an M.S.N., transcripts will be evaluated and programs will be tailored according to previous course work. A minimum of 27 credits is required.

The specific domains of content for this program include: core courses for all options; health promotion illness/management for advanced practice options; research and statistics for all options; practica courses for all options; nurse-midwifery courses; and health care systems courses such as finance, outcomes management, human resources, program evaluation and mediation for the health care systems leadership option. Specializations in acute care, adult and older adult nursing will share course work with the specialized client care focus in the practica courses.
Contact the College of Nursing for more information.
Philosophy (PHIL)

Chairperson: James B. South, Ph.D.
marquette.edu/phil/grad.shtml

Degrees Offered

Master of Arts, students are admitted under Plan B (non-thesis option) but Plan A (thesis option) is also offered; Doctor of Philosophy

Note: Students in the social and applied philosophy specialization are admitted under Plan B only.

Specializations

Master's: History of Philosophy, Social and Applied Philosophy

Doctoral: Ancient Philosophy, British Empiricism/Analytical Philosophy, Christian Philosophy, Early Modern European Philosophy, Ethics, German Philosophy, Medieval Philosophy, Phenomenology-Existentialism, Philosophy of Religion

Program Descriptions

The Philosophy Department’s master’s program in the history of philosophy and the doctoral program are based on the history of philosophy, ancient through contemporary, as the necessary experience for a mind critically able to face contemporary philosophical issues. The master’s program in social and applied philosophy provides rigorous philosophical training for individuals who are interested in working in a variety of non-academic contexts or for pursuing further graduate studies.

Prerequisites for Admission

Applicants are expected to have 18 semester hours of undergraduate philosophy course work, six hours of which should be in survey courses (history of philosophy) for admission to the doctoral program or the master of arts program with a specialization in history of philosophy.

Application Deadline

Applicant files must be completed by Feb. 15 for admission consideration. Applications for admission received after this date will be considered as space permits.

Application Requirements

Applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. A statement of purpose outlining applicant's achievements and intentions in philosophy.
4. Letters of recommendation from at least three professors or professionals familiar with applicant's academic work and/or academic background.
5. GRE scores (General Test only).
6. A sample of philosophical writing.
7. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

Joint Program of Study

M.A.-J.D. Degree

The Department of Philosophy, in conjunction with the Law School, offers a program of joint study leading to a master’s degree in philosophy and a juris doctor degree. Students seeking admission to the joint program must apply to both the Graduate School and the Law School and must meet the admission requirements for each. Students start this joint program as a law student. Upon completion of the law program, students will be officially admitted to the philosophy program for completion of the remainder of the joint program.

Joint program students complete 81 credit hours in the Law School, 21 credit hours in philosophy and nine credit hours in joint program courses.

To participate in the M.A.-J.D. program in social and applied philosophy or in history of philosophy, the law student must receive the prior written approval of the associate dean for academic affairs in the Law School and must comply with the regulations of the Graduate School. The student must have completed 27 credit hours at the Law School with a cumulative average of 3.000 before entering either master of arts program in philosophy. Students may seek admission to the joint program at any time, but must complete both programs in four years (six years for part-time students), in accord with Law School academic regulations.
In general, joint program students will pay tuition at the full-time (flat tuition) Law School rate while a full-time law student, regardless of whether or not they are taking additional graduate courses. Upon receiving the juris doctor degree, joint program students will pay Graduate School tuition at the per credit rate for graduate courses. Part-time law students will pay the per credit Law School rate for all courses.

Additional details about the M.A.-J.D. program are available on the Philosophy Department website at marquette.edu/phil/grad.shtml, at the Philosophy Department office or from the Law School Admissions office.

**Philosophy Master’s Requirements**

The Department of Philosophy offers two master of arts specializations in the philosophy program: history of philosophy and social and applied philosophy.

**History of Philosophy**

(Plan A or Plan B master’s)

Course work in either Plan A or B must include:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 6605</td>
<td>Plato</td>
<td>3</td>
</tr>
<tr>
<td>or PHIL 6610</td>
<td>Aristotle</td>
<td></td>
</tr>
<tr>
<td>PHIL 6620</td>
<td>Augustine</td>
<td>3</td>
</tr>
<tr>
<td>or PHIL 6640</td>
<td>St. Thomas Aquinas</td>
<td></td>
</tr>
<tr>
<td>PHIL 6650</td>
<td>Descartes</td>
<td>3</td>
</tr>
<tr>
<td>or PHIL 6655</td>
<td>Hume</td>
<td></td>
</tr>
<tr>
<td>or PHIL 6660</td>
<td>Kant</td>
<td></td>
</tr>
<tr>
<td>or PHIL 6662</td>
<td>Hegel</td>
<td></td>
</tr>
</tbody>
</table>

One course in the history of philosophy to be approved by the director of graduate studies 3

A master’s student may choose to be in either Plan A (thesis option) or Plan B (course option). Students are assumed to be in Plan B unless a formal request is made to and approved by the Graduate School.

In Plan A, the student must complete 24 credit hours of graduate-level course work and six credit hours of thesis work, pass a comprehensive examination and submit an approved thesis. Also, the student must have reading knowledge of French or German, or another foreign language approved by the department. At least 18 credits of the course work requirement must be in philosophy and must include the four core courses as outlined above. The comprehensive examination requires a critical knowledge of the philosophical classics and of contemporary philosophical literature.

In Plan B, the student must complete 30 credit hours of graduate-level course work and pass a comprehensive examination. No essay or foreign language is required for the Plan B master’s program. At least 18 credits of the course work requirement must be in graduate-level philosophy courses, including one course in ethics and the four core courses as outlined above. Up to six credit hours of upper division undergraduate courses approved for graduate credit may be counted toward this degree. Courses must be individually approved by the director of the graduate program. Plan B master’s degrees are considered terminal degrees by the Department of Philosophy.

**Social and Applied Philosophy**

(Plan B master’s only)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 6310</td>
<td>History and Theory of Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 6960</td>
<td>Seminar in Applied/Professional Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHIL 6605</td>
<td>Plato</td>
<td>3</td>
</tr>
<tr>
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<tr>
<td>PHIL 6620</td>
<td>Augustine</td>
<td></td>
</tr>
<tr>
<td>PHIL 6640</td>
<td>St. Thomas Aquinas</td>
<td></td>
</tr>
<tr>
<td>one of the following:</td>
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<td></td>
</tr>
<tr>
<td>PHIL 6650</td>
<td>Descartes</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 6652</td>
<td>Post-Cartesian Rationalism</td>
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</tr>
<tr>
<td>PHIL 6655</td>
<td>Hume</td>
<td></td>
</tr>
<tr>
<td>PHIL 6660</td>
<td>Kant</td>
<td></td>
</tr>
<tr>
<td>PHIL 6662</td>
<td>Hegel</td>
<td></td>
</tr>
<tr>
<td>PHIL 6965</td>
<td>Practicum in Philosophy (may be taken for 6 credits OR 3 credits with an additional 3 credit philosophy elective)</td>
<td>6</td>
</tr>
<tr>
<td>Two electives from the graduate philosophy course offerings</td>
<td>6</td>
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</tr>
<tr>
<td>Two graduate level cognate courses from an outside philosophy</td>
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</tbody>
</table>

Total Credit Hours 30
The cognate courses are to be approved by the student’s adviser and the coordinator of the master of arts social and applied philosophy specialization. No comprehensive exam or foreign language is required for the Plan B master’s program. Plan B master’s degrees are considered terminal degrees by the Philosophy Department.

Philosophy Doctoral Requirements

A doctoral student in the philosophy program must complete a program of study defined on an approved Doctoral Program Planning Form. Normally, the student must complete 60 credit hours of graduate-level course work beyond the baccalaureate degree, plus 12 credit hours of dissertation work. The student also must complete the foreign language requirements, display an understanding of the fundamentals of predicate logic demonstrated either by course work or by a department exam, pass qualifying examinations (written and oral) and submit and successfully defend a dissertation.

Course work must include:

<table>
<thead>
<tr>
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<td>or PHIL 6660</td>
<td>Kant</td>
<td></td>
</tr>
<tr>
<td>or PHIL 6662</td>
<td>Hegel</td>
<td></td>
</tr>
<tr>
<td></td>
<td>One course in the</td>
<td>3</td>
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<tr>
<td></td>
<td>history of</td>
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<tr>
<td></td>
<td>philosophy to be</td>
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<td></td>
<td>approved by the</td>
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<td></td>
<td>director of</td>
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<tr>
<td></td>
<td>graduate studies</td>
<td></td>
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</tbody>
</table>

With written approval from the department chair, up to 12 credit hours of required course work may be taken in other fields.

The doctoral candidate is expected to make use of research and reflection available in languages other than English. Two foreign languages are required. The program requires French or German and either French, German, Latin or Greek for the second foreign language. In exceptional circumstances, an alternative foreign language may be substituted for the above list.
Physical Therapy

The College of Health Sciences offers a three-year professional program that leads to a doctor of physical therapy degree. Both current Marquette undergraduate students and transfer students with undergraduate degrees from other institutions are encouraged to apply for 10 to 20 spaces in the program.

Current Marquette students should contact the Department of Physical Therapy and complete an application through the Registrar. Deadline is Feb. 1.

The Department of Physical Therapy will also admit a number of new-to-Marquette individuals to the fourth year (external transfers to the first professional year) of the program. The minimal requirements are as follows:

1. Candidates must possess a bachelor’s degree.
2. Candidates must have completed the 22 credits of prerequisite course work. No applicant will be accepted with a GPA below 2.400 and depending on the applicant pool, a higher GPA may be required to successfully gain entry into the program. All prerequisite course work must have been taken at an accredited four-year institution.
3. Twelve credits of social sciences and/or humanities must have been completed as a liberal arts core.
4. Candidates must have completed a minimum of 80 hours of validated experience in a physical therapy clinic as a volunteer or as an employee under the supervision of a physical therapist.
5. Official transcripts.
6. Official Graduate Record Examination (GRE) scores.

An application may be obtained from the Department of Physical Therapy or the physical therapy program’s website at marquette.edu/chs/pt/apply.shtml. The deadline for submitting a complete application is Feb. 1. The best candidates will be selected from the pool of applicants.

For more information about the doctor of physical therapy, contact the Department of Physical Therapy by phone at (414) 288-7161 or by mail at Marquette University, Department of Physical Therapy, P.O. Box 1881, Milwaukee, WI 53201-1881.
Physician Assistant Studies

The College of Health Sciences offers a professional curriculum that leads to a master of physician assistant studies.

Entrance into the program is highly competitive. Applicants complete a series of prerequisites and are required to have completed either the GRE or ACT/SAT examinations. Prior health care experience is not required; however, applicants must have a minimum of 200 hours of direct patient contact experience to apply. The curriculum consists of 21 consecutive months of didactic medical course work followed by a consecutive 12-month period of clinical clerkships. Successful completion of the curriculum qualifies graduates to sit for the National Certifying exam, which leads to licensure in most states. All components of the master’s program including application materials and curriculum requirements are administered by the Department of Physician Assistant Studies. Additional information is available in Marquette University’s Undergraduate Bulletin and at the physician assistant program’s website at marquette.edu/chs/pa.
Physics (PHYS)

Chairperson: Benjamin L. Brown, Ph.D.
marquette.edu/physics

Marquette University currently does not offer a graduate degree program in physics. However, certain upper division undergraduate courses in the Department of Physics have been approved for graduate credit and may be taken, as appropriate, by graduate students in other graduate programs. To earn graduate credit for an upper division course, students must have the approval of their major departments and must complete extra work in the course beyond that required for undergraduate credit.
Political Science (POSC)/International Affairs (INAF)

Chairperson: Lowell W. Barrington, Ph.D.
marquette.edu/polisci/grad.shtml

Degrees Offered

Political Science
Master of Arts, students are admitted under Plan B (non-thesis option) but may request Plan A (thesis option)

International Affairs
Master of Arts, students are admitted under Plan B (non-thesis option) but may request Plan A (thesis option)

Program Description
The Department of Political Science at Marquette University offers master’s programs aimed at preparing students for doctoral study in political science and international affairs and for careers in related fields. Programs are offered in the following two specialties: political science and international affairs. The department offers a joint bachelor’s and master’s degree program that enables Marquette University students to earn a bachelor’s and a master’s degree in five years. In conjunction with the Law School, students also can pursue a joint master of arts-juris doctor (M.A.-J.D.) program in political science or international affairs. Through the combined program, full-time students can complete the juris doctor and master of arts degrees in only four years. Furthermore, law school graduates can pursue an accelerated master of arts degree through awards of transfer credit for work completed as part of the juris doctor degree. Joint degree programs are also available in conjunction with the communication and the business administration graduate programs.

Prerequisites for Admission
An applicant to the Department of Political Science should have graduated with, or be about to graduate with, a bachelor’s degree from an accredited institution in an undergraduate program sufficient in quality and scope to prepare the individual for specialized work in his or her chosen field.

Application Deadline
No official deadline exists for the political science or international affairs master’s programs. However, applications submitted after the Graduate School’s official financial aid deadlines will be considered only as space permits, even if the applicant is not requesting financial aid. The deadlines for financial aid consideration are Feb. 15 for the following fall term and Nov. 15 for the following spring term.

Application Requirements
Applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation.
4. GRE scores (General Test only). Not required for accelerated B.A.-M.A. degree program applicants; M.A.-J.D. applicants may substitute LSAT scores for GRE scores; M.A.-M.B.A. applicants may substitute GMAT scores for GRE scores.
5. A statement of purpose.
6. (For international applicants only) an overall minimum TOEFL score of 100 or other acceptable proof of English proficiency.

Accelerated Bachelor’s-Master’s Degree Program
The joint bachelor’s and master’s program allows Marquette University students to earn both a bachelor’s degree with a major in political science or international affairs and a master’s degree in political science or international affairs in five years.

Students will complete 9-12 hours of graduate credit in political science or international affairs during their senior undergraduate year. These graduate courses double-count toward the undergraduate and graduate degrees. Should a student be denied admission to the master’s program of choice (political science or international affairs), the courses will be counted toward the undergraduate degree. Upon completion of the first term as a master’s candidate, the student must petition the Graduate School to transfer the courses taken as an undergraduate to the master’s degree. All remaining master’s degree requirements may be completed during the subsequent summer, fall and spring terms.

Candidates for admission should have undergraduate junior status, have completed at least 3 upper division political science courses and should have a political science GPA of at least 3.500. Candidates for admission should submit transcripts and three letters of recommendation, but need not submit GRE scores. Candidates for admission to this program should notify the assistant chair of their intentions.
Joint Programs of Study

M.A.-J.D. Degree
The Department of Political Science, in conjunction with the Law School, offers a program of joint study leading to a master’s degree in political science or international affairs and a juris doctor degree.

Students seeking admission to the joint program must apply to both the Graduate School and the Law School and must meet the admission requirements for each, but their application to the Graduate School may include LSAT scores in lieu of GRE scores. Students start this joint program as a law student. Upon completion of the law program, students will be officially admitted to the political science or the international affairs program for completion of the remainder of the joint program.

Joint program students complete 81 credit hours in the Law School, 21 credit hours in political science, and 9 credit hours in joint program courses. In addition, applicants for the political science or international affairs master of arts program who already hold a J.D. degree may request that a maximum of 9 credits from their previous law studies be counted toward the fulfillment of their master of arts degree requirements.

In general, joint program students will pay tuition at the full-time (flat tuition) Law School rate while a full-time law student, regardless of whether or not they are taking additional graduate courses. Upon receiving the juris doctor degree, joint program students will pay Graduate School tuition at the per credit rate for graduate courses. Part-time law students will pay the per credit Law School rate for all courses.

Additional details about the M.A.-J.D. program are available from the Political Science Department office or from the Law School Admissions office.

M.A.-M.B.A. Degree
The Department of Political Science, in conjunction with the Graduate School of Management, offers a program of joint study leading to a master of arts (M.A.) degree in political science or international affairs and a master of business administration (M.B.A.) degree. The program is designed for students whose interests overlap business and politics or business and international affairs. Joint degree students are able to complete both degree programs in less time than if both degrees were pursued separately.

Students seeking admission into the joint degree program must submit to the graduate school separate applications for admission to both programs, including two sets of required documentation and must meet the admission requirements of each program. However, applicants may submit GMAT scores in lieu of GRE scores. Acceptance into one program does not guarantee acceptance into the other. If a student is accepted into one program and not the other, the student can still choose to accept the admission offer from the first program but would not be considered a joint degree student. Because students are officially admitted into only one Marquette University graduate program at a time, applicants must indicate which program they intend to pursue and complete first, although once accepted for admission to both programs, students may take courses from both departments. Upon completion of the first program, the student will be officially admitted to the second program for completion of the remainder of the joint program.

Joint degree students count 9 credits of course work in each program toward the required course work credits of the other program. Thus, 9 of the 40 credits required for the master of business administration degree beyond foundations, if required, will come from POSC courses, and 9 of the 30 credits required for the master of arts degree in political science or international affairs will come from GSM courses.

M.A. in Political Science or International Affairs and in Communication
The Department of Political Science, in conjunction with the J. William and Mary Diederich College of Communication, offers a program of joint study leading to a master of arts degree in political science or international affairs and a master of arts degree in communication. Joint degree students are able to complete both degree programs in less time than if both degrees were pursued separately.

Students seeking admission into the joint degree program must submit to the graduate school separate applications for admission to both programs, including two sets of required documentation and must meet the admission requirements of each program. Acceptance into one program does not guarantee acceptance into the other. If a student is accepted into one program and not the other, the student can still choose to accept the admission offer from the first program but would not be considered a joint degree student. Because students are officially admitted into only one Marquette University graduate program at a time, applicants must indicate which program they intend to pursue and complete first, although once accepted for admission to both programs, students may take courses from both departments. Upon completion of the first program, the student will be officially admitted to the second program for completion of the remainder of the joint program.

Joint degree students count 9 credits of course work in each program toward the required course work credits of the other program. Thus, 9 of the 36 credits required for the master of arts degree in communication will come from POSC courses, and 9 of the 30 credits required for the master of arts degree in political science or international affairs will come from COMM courses.

Master’s Requirements
A student in either political science or international affairs is admitted to a non-thesis program (Plan B) which requires 30 credit hours of course and seminar work. The Plan B student must pass written and oral comprehensive examinations to complete the program.
Students are presumed to be in Plan B unless a formal request to transfer to a thesis program (Plan A) is approved by the department chairperson and the Graduate School. Plan A requires 24 credit hours of course and seminar work and six credit hours of thesis work. The Plan A student must pass written and oral comprehensive examinations and submit an approved thesis to complete the program.

At least 18 credits of the 30 credit hour requirement for Plan B students (15 credits of the 24 credit hour requirement for Plan A students) must be fulfilled in strictly graduate level course work (courses numbered 6000 or above). Up to 12 credit hours of 5000-level courses may be approved for graduate credit for Plan B students (9 credit hours for Plan A students). With the approval of the department chairperson, a student may receive up to 9 credit hours toward the master of arts degree in cognate courses taken outside the department. Cognate fields for the international affairs program include other areas of political science.

**Political Science**

**Core Seminars**

Students in the political science program must complete:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POSC 6101</td>
<td>Contemporary Political Research</td>
<td>3</td>
</tr>
<tr>
<td>3 of the following:</td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>POSC 6201</td>
<td>American Politics</td>
<td></td>
</tr>
<tr>
<td>POSC 6401</td>
<td>Comparative Politics</td>
<td></td>
</tr>
<tr>
<td>POSC 6601</td>
<td>International Politics</td>
<td></td>
</tr>
<tr>
<td>POSC 6801</td>
<td>Political Philosophy</td>
<td></td>
</tr>
</tbody>
</table>

**Research Papers**

Students must complete at least two conference-quality research papers. These papers must deal with significant questions and demonstrate rigorous analytical and, as appropriate, methodological skills. The instructors in whose courses the papers are written must certify that the student has fulfilled this requirement. Specific details and certification forms are available from the department office.

**Comprehensive Examinations**

A candidate for the master of arts degree in political science must pass written and oral comprehensive examinations covering two of the following fields: political philosophy, American politics, comparative politics, international politics.

The written examination is based on comprehensive reading lists for each subfield, the student's course work, and sample questions provided in advance. The oral examination supplements the written examination and is based on the comprehensive reading lists and the student's course work. The examining committee is normally composed of three faculty members chosen by the department assistant chairperson in consultation with the student and his or her adviser. Details on the examinations, the reading lists and the sample questions are available from the department office.

**International Affairs**

**Core Seminars**

Students in the international affairs program must complete:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POSC 6101</td>
<td>Contemporary Political Research</td>
<td>3</td>
</tr>
<tr>
<td>POSC 6401</td>
<td>Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>POSC 6601</td>
<td>International Politics</td>
<td>3</td>
</tr>
<tr>
<td>One course in comparative and international politics</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**Research Papers**

Students must complete at least two conference-quality research papers. These papers must deal with significant questions and demonstrate rigorous analytical and, as appropriate, methodological skills. The instructors in whose courses the papers are written must certify that the student has fulfilled this requirement. Specific details and certification forms are available from the department office.

**Comprehensive Examinations**

A candidate for the master of arts degree in international affairs must pass written and oral comprehensive examinations in the fields of comparative politics and international politics. The examinations normally are taken after the student has completed 24 credit hours of course work.

The written examination is based on comprehensive reading lists for each subfield, the student's course work, and sample questions provided in advance. The oral examination supplements the written examination and is based on the comprehensive reading lists and the student's course work. The examining committee is normally composed of three faculty members chosen by the department assistant
chairperson in consultation with the student and his or her adviser. Details on the examinations, the reading lists and the sample questions are available from the department office.
Theology (THEO)/Religious Studies (REST)

Chairperson: Susan K. Wood, SCL, Ph.D.
marquette.edu/theology/graduate.shtml

Degrees Offered

Theology
Master of Arts in Christian Doctrine (M.A.C.D.)

Master of Arts in Theology (M.A.), students are admitted under Plan B (non-thesis option) but Plan A (thesis option) is also offered

Religious Studies
Doctor of Philosophy

Specializations

M.A.C.D.: None

M.A.: Judaism and Christianity in Antiquity, Historical Theology, Systematic Theology/Theological Ethics

Ph.D.: Judaism and Christianity in Antiquity, Historical Theology, Systematic Theology, Theological Ethics, Theology and Society (includes Healthcare Mission and Ethics)

Program Descriptions

The Theology Department offers master’s and doctoral programs aimed at giving students an integrated approach to theological studies, emphasizing, within theological specialties, the interaction of Judaism and Christianity in antiquity, historical, systematic and ethical approaches to theology. The programs seek to develop scholars who can make significant contributions to theological research and writing and college teachers who can teach a broad range of courses. This broad theological background has enabled program graduates to enjoy enviable success in securing teaching positions in over 200 colleges and universities, in church work and ministry and in a variety of other educationally related institutions.

The master of arts in Christian doctrine (M.A.C.D.) focuses on an ecumenical appropriation and communication of Christian doctrine for those teaching in Catholic high schools, for those interested in other religious education or formation programs and for persons interested in theological enrichment or in serving various other needs in the religious communities.

The master of arts in theology (M.A.) is intended primarily, but not exclusively, for those who intend to pursue a doctoral degree in theology or religious studies. The degree provides professional competence in the field of theological studies.

The doctor of philosophy in religious studies (Ph.D.) is a terminal academic degree producing professional specialists in one of the areas of Judaism and Christianity in antiquity, historical theology, systematics and theological ethics, while providing supporting competence in the others as well.

Prerequisites for Admission

Master of arts in Christian doctrine (M.A.C.D.) applicants should have an undergraduate degree with a major in theology (religion, religious studies) or some other appropriate background. Students should have some familiarity with Scripture and basic Christian doctrines. Opportunities to make up undergraduate deficiencies are available.

Master of arts in theology (M.A.) applicants should have an undergraduate major in theology (religion, religious studies) or other background (e.g., classics, philosophy) appropriate for graduate study in theology. A minor in philosophy is recommended for those planning to study systematic theology. Ideally, all applicants should have some familiarity with Scripture and basic Christian doctrine. The program offers ample opportunities for making up undergraduate deficiencies.

Doctorate in religious studies (Ph.D.) applicants should have a master’s degree or its equivalent in theology.

Application Deadlines

No official deadline exists for the master of arts in Christian doctrine (M.A.C.D.). Applications are reviewed on a rolling basis, and admitted students may begin their program in summer, fall or spring.

Master of arts (M.A.) application files must be complete by Dec. 15, including all supporting documents, for fall admission and financial aid consideration. Applicants not competing for financial aid may apply up to May 15. Master of arts students may only begin their program in fall or summer.

Doctoral (Ph.D.) application files must be complete by Dec. 15, including all supporting documents, for fall admission and financial aid consideration. Applicants will be notified by March 31. Doctoral students may only begin their program (religious studies) in fall.
**Application Requirements**

Applicants to all graduate programs in the Department of Theology must submit an online application directly to the Graduate School via the link found at marquette.edu/grad.

Applicants to the M.A. and M.A.C.D. programs must submit the following materials:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Complete, official undergraduate and graduate transcripts from all current and previous colleges/universities except Marquette, sent by issuing institutions directly to the Graduate School.
3. Results of the Graduate Record Examination (General Test only).
4. A brief statement of purpose that includes: reasons for wanting to enter the program, vocational objectives, special areas of interest, and reasons for selecting Marquette’s program.
5. Three letters of recommendation.
6. (For applicants without an undergraduate degree in theology) a list of all college work in theology - course work, level and instructor, even though some of this also appears on official transcripts submitted.
7. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

Applicants to the Ph.D. program should submit the following materials:

1. A completed online application form and application fee.
2. Complete, official undergraduate and graduate transcripts from all current and previous colleges/universities except Marquette, sent by issuing institutions directly to the Marquette Graduate School.
3. Results of the Graduate Record Examination (General Test only).
4. A brief statement of purpose that includes: reasons for wanting to enter the program, vocational objectives, special areas of interest, and reasons for selecting Marquette’s program.
5. Three letters of recommendation. *(Note: For doctoral applicants who are continuing their degree at Marquette, three new letters of recommendation are required.)*
6. A statement of language proficiency: a list of formal course work, especially graduate reading courses, indicating when and where taken and grade earned; a description of private study, indicating when and where undertaken; and an estimate of present facility in reading, writing and speaking.
7. An academic writing sample of not more than 20 pages.
8. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

**Master of Arts in Christine Doctrine (M.A.C.D.) Requirements**

The M.A.C.D. degree requires 30 credit hours of course work. Up to 9 credit hours of 5000-level courses are acceptable for graduate credit if additional readings and writing assignments are arranged with the respective professor and completed satisfactorily. After successfully completing all course work, students will be required to write a comprehensive paper that integrates what they have learned in their courses and applies what they have learned to their career goals. M.A.C.D. candidates have no foreign language requirements. The M.A.C.D. is intended to be a terminal degree.

**Core Courses and Electives**

Of the 30 total credit hours of course work, 21 credit hours must be taken from the core courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEO 6110</td>
<td>Old Testament Method</td>
<td>3</td>
</tr>
<tr>
<td>THEO 6120</td>
<td>New Testament Method</td>
<td>3</td>
</tr>
<tr>
<td>THEO 6210</td>
<td>Origen to Late Medieval</td>
<td>3</td>
</tr>
<tr>
<td>THEO 6220</td>
<td>Late Medieval to Early Modern</td>
<td>3</td>
</tr>
<tr>
<td>THEO 6320</td>
<td>Christian Doctrine 1</td>
<td>3</td>
</tr>
<tr>
<td>THEO 6321</td>
<td>Christian Doctrine 2</td>
<td>3</td>
</tr>
<tr>
<td>THEO 6410</td>
<td>Introduction to Theological Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 21

In certain circumstances and in consultation with a student’s academic adviser, equivalent courses may be taken.

For the 9 credit hours of electives (three courses), the student must choose one course in each of the principal theological disciplines: Judaism and Christianity in antiquity, historical and systematics/ethics. In certain circumstances, and with the permission of the M.A.C.D. program adviser, the elective courses can be chosen from the following course ranges.

One from any of the following Judaism and Christianity in antiquity courses: THEO 5000 Digging the Bible: Archeology and Biblical Studies to THEO 5190 Studies in Biblical Theology;
One from any of the following historical courses: THEO 5200 Theology in the Early Church to THEO 5290 Studies in Historical Theology; and

One from any of the following systematics/ethics courses: THEO 5300 Contemporary Atheism and Theism to THEO 5540 Hinduism, Yoga, and Buddhism.

**Master of Arts in Theology (M.A.) Requirements**

A master’s student must complete 30 credit hours of course work, submit an approved research project, fulfill the department’s foreign language requirement and pass a comprehensive examination.

**Core Courses and Electives**

Master’s students may pursue either a Plan A or Plan B course of study. The student is assumed to be in Plan B unless a formal request to transfer to Plan A is approved by the department chairperson and the Graduate School.

The course work requirement for Plan A consists of 18 credit hours of core courses, six credit hours of electives, and six credit hours of work on the research project. Course work for Plan B consists of 18 credit hours of core courses and 12 credit hours of electives, in addition to completing a non-credit research project.

Master’s students in both Plans A and B must take 18 credit hours of required core courses:

<table>
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<tbody>
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<td>3</td>
</tr>
<tr>
<td>THEO 6310</td>
<td>Introduction to Systematic Theology</td>
<td>3</td>
</tr>
<tr>
<td>THEO 6410</td>
<td>Introduction to Theological Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours: 18

In consultation with an adviser, and not later than the end of the first year of study, each student will choose a specialization (Judaism and Christianity in antiquity, historical or systematics/ethics). A student in Plan A must complete three credit hours of elective course work in each of the areas not chosen for specialization and six credit hours of work on a research project in the area of specialization. A student in Plan B must complete six credit hours of elective course work in the area of specialization and three credit hours in each of the other two areas.

**Foreign Language Requirements**

All students in the master of arts program in theology are required to pass a competency examination in German, French or another modern foreign language recognized as essential to the student’s research.

**M.A. Comprehensive Examination**

After all other requirements have been met, the comprehensive examination is administered by the Master of Arts Examination Committee. The exam is offered in April, July, and November. The examination is in three parts, each of which has two sections.

2. Historical: Origen to Late Medieval, Late Medieval to Early Modern
3. Systematics and Theological Ethics

The three parts, each two hours in duration, are taken at the same examination session. Each part of the comprehensive examination consists of six questions, from which the student must answer three, including at least one from each section. All questions are based on the current master's bibliography and questions. The bibliography and questions are available through the departmental website at marquette.edu/theology. Additional information may be found in the department’s Procedures and Policies handbook.

**Doctor of Philosophy in Religious Studies Requirements**

All students entering the doctoral program are required to take the master’s proficiency exam, a minimum of 60 credit hours of graduate theology course work, plus 12 credit hours of dissertation work, fulfill the department’s foreign language requirement, pass qualifying examinations, and submit and successfully defend a dissertation.

**M.A. Proficiency Examination**

All students entering the doctoral program are required to take the master’s proficiency examination (equivalent to the master’s comprehensive examination described in the M.A. section above) approximately two weeks before beginning their program. Passing the examination demonstrates a broad, master’s level proficiency - the equivalent of material covered in Marquette’s core courses - in each of the three major theological disciplines: scripture, historical theology and systematics/ethics. The examination helps students and advisers to
identify those areas which require additional preparation before beginning doctoral-level course work. This is in keeping with the character of the Marquette doctoral program in which specialization builds upon a sound knowledge of the history of the theological tradition. The bibliography and questions for the exam are available through the departmental website at marquette.edu/theology/. Additional information may be found in the department’s Procedures and Policies handbook. Any student who does not demonstrate proficiency in one or more of the sections on the examination, or after a second examination during the first term, is required to take the related master’s level course. These courses do not count toward the final 30 hours required for doctoral-level course work.

Core Courses and Electives
The doctoral program in religious studies offers six areas of specialization. The doctoral qualifying examination (DQE) will emphasize the student’s chosen area of specialization. A student specializing in Judaism and Christianity in antiquity, historical theology, systematic theology or theological ethics must complete 36 credit hours of course work in the area of specialization and approximately 12 credit hours of course work in each of the other two areas.

A student in the theology and society specialization must complete at least 30 credit hours of theology course work (primarily in one area of specialization: Judaism and Christianity in antiquity, historical or systematics/ethics) selected around the theology and society theme, at least 9 credit hours in each of the two other areas of theology (at least 18 total), and 12 credit hours in one or more related human sciences (anthropology, economics, education, English, history, philosophy, political science, psychology, sociology). Students pursuing the healthcare mission and ethics option within the theology and society specialization must complete the 12 credit hours in healthcare related courses (such as: NURS 6007 Ethics in Health Care, NURS 6009 Creating Nursing Care Systems, HEAL 6841 Health Care Finance, HEAL 6846 Health Care Informatics, HEAL 6848 Health Care Policy, LAW 7156 Current Issues in Health Law, LAW 7181 Elder Law and LAW 7221 Health Law). Students in this option may be required to take additional course work, beyond the 60-credit-hour requirement, to certify their qualifications in both theology and the allied discipline. Qualifying examinations and dissertation topics for doctoral students in the theology and society specialization are expected to reflect the cross-disciplinary nature of the course work.

All doctoral students must complete an approved Doctoral Program Planning Form by the end of their first year of course work.

Doctoral Qualifying Examination (DQE)
This examination may be taken once the the student has fulfilled the language requirement and is in the final semester of course work. The student obtains a copy of the area topics from the Department of Theology Web page and then, working with his or her adviser, chooses three topics in the major area and one in each of the two minor areas for presentation in the examination. (Responsibility for preparing the lists of topics rests with the faculties of the separate areas of concentration with the approval of the Graduate Committee.) The student submits the application form with tentative examination dates, the list of topics and the names of eight regular faculty members who have agreed to serve on the board (including normally, that of the adviser) to the Graduate Committee. The student also submits a list of all graduate courses in theology, according to areas, whether taken at Marquette University or elsewhere. The Graduate Committee then approves an examination board of five members, three from the student’s major area and one from each of the two minor areas and approves a chair for this board. The chair is normally a faculty member in the student’s major area; the student’s adviser may not serve as chair.

Once the Graduate Committee’s approval is obtained, the student registers at least one month before the qualifying examination with the assistant to the chair for the examination. There are no scheduled dates for qualifying examinations in the department. A student is free to register for any date falling on a regular class day between Sept. 1 and May 10. Once a student registers, this date should not be changed except for serious reasons and with the approval of the departmental chair. Soon after the DQE has been registered with the assistant to the chair, the chair of the exam informs members of the board about the day on which the DQE questions are due to the assistant to the chair. The chair of the examination board is responsible, in consultation with the other members of the board, for preparing two questions for each of the four sections of the written examination.

The student has three hours in which to answer each of the questions given. The oral examination lasts approximately ninety minutes, unless the chair of the qualifying board wishes to extend this period. The examiners are free to question the student about the examination responses, the questions given in the written portion of the examination or any other aspects of the topic areas originally chosen by the student. Each examiner, after consultation with the other members of the board if he or she so wishes, provides the chair of the qualifying board with a written evaluation of the student’s performance in both the written and oral parts of the examination. The qualifying board chair then submits these reports and his/her own chair’s report to the departmental chair for a signature and forwarding to the Graduate School. While the board will normally give unofficial notification of the results of the examination immediately after the oral portion, the Graduate School will officially notify the student of the results after one or two weeks. A student needs four out of five ‘satisfactory’ judgments to pass.

To summarize the process:

The student obtains a copy of the topic areas and the application form.

In consultation with the adviser, the student selects three (3) topics in the major area and one (1) topic in each of the minor areas. The topic areas on the application form must match exactly with those on the topics list.

The student solicits three (3) faculty members in the major topic area and one (1) in each of the minor areas to serve as the examining board. Three (3) alternate faculty names must be provided. Note: The student’s adviser may be on the DQE board but may not serve as the chair.
The student prepares the DQE application form and a list of courses that the student has taken both at Marquette and in the previous graduate institution. These are submitted to the Graduate Committee. Student and adviser are notified when the examination topics and board have been approved by the Graduate Committee and an exam registration form is provided.

The faculty member who chairs the DQE board is responsible for 1) contacting the other members of the examination board to solicit the examination questions, 2) arranging with the other members of the board the time of the oral examination, 3) communicating the time and place of the examination to the student and 4) preparing the examination questions. (The assistant to the chair schedules the exam on the departmental calendar.)

Faculty members who participate in DQE boards should clarify their expectations with the student. These include, at least, the list of required materials for preparation and the number of conversations the faculty member expects to have with the student prior to the examination.

Foreign Language Requirements

All doctoral students are required to pass a competency examination in two modern foreign languages (normally German and French; another language essential for the student’s research may be substituted for one of these two in consultation with the student’s adviser). Students with a master’s degree from an institution other than Marquette are urged to pass their first foreign language examination before course work begins and must do so by the end of their first year in the program. Students must pass both German and French or other accepted modern language by the end of their second year in the program. Students must pass all language requirements prior to sitting for their doctoral qualifying examinations.

Language competency examinations are administered, for a fee, by the Department of Foreign Languages and Literatures, which also offers courses in preparation for the examination.

Students who specialize in Old Testament/Hebrew Bible studies must also pass examinations in Hebrew at the advanced level and Greek at the intermediate level of competence. Students who specialize in New Testament studies must also pass examinations in Greek at the advanced level and Hebrew at the intermediate level of competence. Students in historical theology and in systematics/ethics within the Western theological traditions must also pass a competency examination in Latin; those studying within other theological traditions must pass a competency examination in Latin, Greek or another ancient language recognized as essential to the student’s research. Students in systematic theology and theological ethics must also pass a competency examination in Latin. Students in the theology and society option have no additional language requirements beyond the two modern foreign languages (normally German and French; another language essential for the student’s research may be substituted for one of these two in consultation with the student’s adviser). Students in the healthcare mission and ethics option are required to pass competency examinations in Latin and one other modern language (normally German or French; another language essential for the student’s research may be substituted for one of these two in consultation with the student’s adviser).

Doctoral Dissertation

The student chooses a topic that falls within the scope of the department’s understanding of religious studies and for which the student can locate a faculty director with the necessary competence and interest. The student is encouraged to identify a topic and an available director toward the end of course work or while preparing for the qualifying examination. A dissertation outline may not be submitted to the Graduate School, however, until the qualifying examination has been completed. Once the student and the director are in agreement on the dissertation proposal, the student fills out the Doctoral Dissertation Outline. The student submits this (unsigned) outline to the Graduate Committee, with a cover letter from the director indicating his/her willingness to serve as director, together with the proposal of at least six names, exclusive of the director’s, of the full-time faculty of the department (who have also indicated their willingness to serve) for consideration as nominees to the four-person dissertation board. Outside the theology and society program, the members of a doctoral dissertation committee should be full-time members of the Theology Board unless a special request is made and approved. The departmental chair, after consultation with the departmental Graduate Committee, then nominates a board and notifies the director to convene a meeting within six weeks with the proposed board and the student to secure in writing the board’s approval of the outline or their suggested revisions. Once the board has approved the outline, it is returned to the departmental chair for a signature. It is then sent to the Graduate School. In consultation with other members of the board, the student then completes the dissertation to the satisfaction of the director.

Dissertation Defense

Once the director judges that the dissertation is ready for a public defense, and at least one month prior to the date of the defense and two months prior to the Graduate School deadline for submitting final copies of the dissertation (this is more time than the Graduate School requires), the assistant to the chair distributes the defense copies of the dissertation to the members of the board. Board members have at least one month in which to read the dissertation by the last day of which they must inform the director whether they agree that the dissertation is ready for defense. If one or more members of the board determine that the dissertation is not ready for defense, the director, after informing the student of the situation, may reschedule it. Board members should feel free to communicate additional criticisms of the dissertation to the director before the defense. After the board members have read the dissertation, the final public defense is held. The date of the defense must be at least one month prior to the Graduate School deadline for submitting final copies of the dissertation (again, more time than the Graduate School requires). Furthermore, at least one month prior to the defense date the student must submit to the assistant to the chair an abstract (no longer than 350 words) and the announcement of public defense form. An electronic copy of the abstract should be emailed to the Graduate School. Additional copies of the program are made available to those attending the public defense. The entire
board is present for the defense, with the dissertation director as chair. The candidate presents a brief summary of the work done. All the readers offer comments and question the student. Finally, the director offers comments and questions the student. Comments and questions from the floor may be invited by the director.

After the defense the student has at least three weeks to correct and revise the dissertation in light of the written and oral criticisms received. The final dissertation is submitted electronically to the Graduate School. Detailed instructions for electronic dissertation submission are available on the Graduate School’s Web page.

The following items are not part of the electronic submission, but they are still due in the Graduate School by the dissertation deadline. They will be collected/provided by the Department of Theology.

1. One paper copy of the signature page.
2. Dissertation Committee Approval form.
3. One hard copy of the dissertation for the Department of Theology library. (Your dissertation director may also ask you to provide a copy of the dissertation for his/her personal library.)
Social and Cultural Sciences (SOCS)

Chairperson: Roberta L. Coles, Ph.D.
marquette.edu/socs

The Department of Social and Cultural Sciences does not offer graduate degree programs. Faculty members do participate in some graduate degree programs offered under other administrative auspices. In addition, certain upper division undergraduate courses in the Department of Social and Cultural Sciences have been approved for graduate credit and may be taken, as appropriate, by graduate students in other graduate programs. To earn graduate credit for a 5000-level upper division course, students must have the approval of their major departments and must complete extra work in the course beyond that required for undergraduate credit.
Speech-Language Pathology (SPLA)

Chairperson: Edward W. Korabic, Ph.D.
marquette.edu/chs/speech/graduate.shtml

Degrees Offered
Master of Science, students are admitted under Plan B (non-thesis option) but may request Plan A (thesis option); Certificate

Specializations
Master’s: None
Certificate: Bilingual English-Spanish

Program Descriptions

Master’s Degree Program
The speech-language pathology program, leading to the master of science degree, is offered through the Department of Speech Pathology and Audiology and is accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association (CAA-ASHA). The program is directed at preparing students for the Certificate of Clinical Competence in Speech-Language Pathology (CCC-SLP). For students interested in licensure as a public school speech-language clinician, the program meets the requirements of the Department of Public Instruction of the state of Wisconsin (DPI-Wis.) for licensure as a speech-language pathologist.

The graduate curriculum in speech-language pathology offers advanced course work in the prevention, identification, evaluation and treatment of speech, language and hearing disorders in both children and adults, meeting both the academic and clinical requirements of the American Speech-Language-Hearing Association and the licensure requirements of the state of Wisconsin.

The master of science program in speech-language pathology typically takes two years (four terms and one summer session) to complete; however, the time required to complete degree and certification/licensure requirements may be shorter or longer depending on the student’s academic/clinical background, needs and special interests.

Bilingual English-Spanish (BIES) Certificate Program
A bilingual English-Spanish certificate (BIES) is offered only through the master’s degree program. This certificate program prepares speech-language pathologists who are proficient in Spanish to evaluate and treat communication disorders in individuals who speak Spanish or are bilingual (Spanish-English). Candidates for the BIES must be accepted to the master of science program in speech-language pathology. Candidates also must complete an application to the BIES program and meet language proficiency requirements established by the American Council for the Teaching of Foreign Languages.

Graduate-level academic course work for the BIES may fulfill elective requirements for the master of science degree in speech-language pathology. Clinical practicum hours through the BIES program will apply toward a master of science degree, ASHA certification and DPI licensure requirements. All course work is based on guidelines suggested by the American Speech-Language-Hearing Association for speech-language pathologists providing bilingual assessment and intervention.

Prerequisites for Admission
Applicants should have graduated with, or are about to graduate with, a bachelor’s degree from an accredited institution with a major in communicative disorders, or its equivalent, and an undergraduate grade point average of B or above. Students who do not meet these standard requirements must be prepared to complete undergraduate background courses as advised by the program director.

Application Deadline
To be considered for admission, all application requirements must be completed and received in the Graduate School by Jan. 15. Students admitted to the speech-language pathology program are not permitted to defer their admission.

Application Requirements
Applicants must submit, directly to the Graduate School:

1. A completed application form and fee online at marquette.edu/grad/future.apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation from individuals familiar with the applicant’s academic and clinical work.
4. A personal statement of career interests and goals.
5. GRE scores (General Test only). Waived for applicants to the accelerated bachelor’s-master’s degree program.
6. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.
7. (For BIES applicants only) a statement of purpose which must address Spanish proficiency, Spanish course work completed, any study abroad, and reasons for pursuing the BIES along with how it will influence the applicant’s future.

Students with Communicative Disorders

The Department of Speech Pathology and Audiology at Marquette University is dedicated to graduating students with optimum preparation for successful careers in the profession of communication disorders. Since voice, fluency, articulation, language or hearing impairments may interfere with a clinician’s ability to effectively treat persons with communication impairments, we encourage students in our program with such impairments to seek treatment.

English Proficiency

Our department supports the position of the American Speech-Language-Hearing Association in encouraging persons of diverse backgrounds to enter the field of communication disorders. All students in the Department of Speech Pathology and Audiology must provide evidence of adequate written and verbal communication skills in Standard American English necessary to meet academic and clinical requirements. Non-native speakers of English will work closely with their advisers throughout the course of their study toward establishing this proficiency prior to enrollment in clinical practicums. Students who speak with accents and/or dialects may seek assistance in improving these skills at the recommendation of department instructional staff.

Accelerated Bachelor’s-Master’s Degree Program

The Department of Speech Pathology and Audiology offers early admission into its master of science degree program in speech-language pathology to Marquette University students majoring in speech pathology and audiology. Students can apply for admission to this program in the second semester of their undergraduate junior year. Students accepted into the accelerated degree program are eligible to enroll in up to 12 credits of speech pathology and audiology (SPPA) course work that carry graduate credit during their senior year. Credits obtained for these courses can be used to fulfill both undergraduate and graduate degree requirements. Once students inform the Graduate School of their completion of their undergraduate degree requirements, their graduate admission as a regular degree status student is activated. Students interested in this program can obtain further information from the Speech Pathology and Audiology Department office.

Speech-Language Pathology Master’s Requirements

Students are admitted to the program in Plan B, but may transfer to Plan A with approval from the Graduate School and the SPLA program. For both Plan A and Plan B, one half of the completed course work must be in 6000-level courses acceptable for graduate credit only.

Thesis Program (Plan A)

A student must complete a minimum of 40 credit hours of course work, plus six credit hours of thesis work, pass a written comprehensive examination and submit an approved thesis.

Non-Thesis Program (Plan B)

A student must complete a minimum of 46 credit hours of course work and pass a written comprehensive examination.

Required Course Work

A student seeking the master of science degree in speech-language pathology must complete the following courses, or their equivalents, at either the graduate or undergraduate level:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPPA 4230/5230</td>
<td>Stuttering and Other Fluency Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 4720/5720</td>
<td>Diagnostic Methods in Speech-Language Pathology</td>
<td>3</td>
</tr>
</tbody>
</table>

In addition, the following courses are required at the graduate level:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPPA 6160</td>
<td>Neurological Bases of Speech and Language Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 6210</td>
<td>Child Language Intervention Issues</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 6320</td>
<td>Adult Language Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 6330</td>
<td>Neuromuscular Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 6410</td>
<td>Voice Disorders</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 6730</td>
<td>Procedures in Medical and School Settings</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 6750</td>
<td>Clinical Research Methodology</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 6790</td>
<td>Clinical Grand Rounds in Speech-Language Pathology</td>
<td>1</td>
</tr>
<tr>
<td>SPPA 6965</td>
<td>Practicum in Speech-Language Pathology: Campus Clinic</td>
<td>1</td>
</tr>
<tr>
<td>SPPA 6966</td>
<td>Practicum in Speech-Language Pathology: Diagnostic Methods</td>
<td>1-2</td>
</tr>
<tr>
<td>SPPA 6967</td>
<td>Practicum in Speech-Language Pathology: School Setting</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 6968</td>
<td>Practicum in Speech-Language Pathology: Medical Setting</td>
<td>3</td>
</tr>
</tbody>
</table>
Comprehensive Examination
The Praxis Series Specialty Area Test in Speech-Language Pathology, administered by the Educational Testing Service (ETS), is the master’s comprehensive examination used for students in the speech-language pathology program. The student must take the Praxis examination no earlier than 6 months prior to graduation and receive a passing score (600 out of 800). Results of the examination must be received in the Department of Speech Pathology and Audiology by the time that final grades are due in the student’s final semester of study.

Bilingual English-Spanish (BIES) Certificate Requirements
The BIES program requires completion of four (4) academic courses:

Graduate or Undergraduate Level

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 4120/5120</td>
<td>Spanish Phonetics and Applied Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 4610/5610</td>
<td>Multicultural Issues for Speech-Language Pathologists</td>
<td>3</td>
</tr>
</tbody>
</table>

Graduate Level

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPPA 6620</td>
<td>Speech and Language Assessment in Bilingual Populations</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 6630</td>
<td>Speech and Language Intervention in Bilingual Populations</td>
<td>3</td>
</tr>
</tbody>
</table>

In addition, a minimum of 50 clinical practicum hours with individuals who speak Spanish or are bilingual (Spanish-English) must be obtained under the supervision of a bilingual speech-language pathologist through:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPPA 6965</td>
<td>Practicum in Speech-Language Pathology: Campus Clinic</td>
<td>1</td>
</tr>
<tr>
<td>SPPA 6967</td>
<td>Practicum in Speech-Language Pathology: School Setting</td>
<td>3</td>
</tr>
<tr>
<td>SPPA 6968</td>
<td>Practicum in Speech-Language Pathology: Medical Setting</td>
<td>3</td>
</tr>
</tbody>
</table>

Students must be enrolled in the master of science degree program in speech-language pathology.
Theology (THEO)/Religious Studies (REST)

Chairperson: Susan K. Wood, SCL, Ph.D.
marquette.edu/theology/graduate.shtml

Degrees Offered

Theology
Master of Arts in Christian Doctrine (M.A.C.D.)
Master of Arts in Theology (M.A.), students are admitted under Plan B (non-thesis option) but Plan A (thesis option) is also offered

Religious Studies
Doctor of Philosophy

Specializations

M.A.C.D.: None

M.A.: Judaism and Christianity in Antiquity, Historical Theology, Systematic Theology/Theological Ethics

Ph.D.: Judaism and Christianity in Antiquity, Historical Theology, Systematic Theology, Theological Ethics, Theology and Society (includes Healthcare Mission and Ethics)

Program Descriptions

The Theology Department offers master’s and doctoral programs aimed at giving students an integrated approach to theological studies, emphasizing, within theological specialties, the interaction of Judaism and Christianity in antiquity, historical, systematic and ethical approaches to theology. The programs seek to develop scholars who can make significant contributions to theological research and writing and college teachers who can teach a broad range of courses. This broad theological background has enabled program graduates to enjoy enviable success in securing teaching positions in over 200 colleges and universities, in church work and ministry and in a variety of other educationally related institutions.

The master of arts in Christian doctrine (M.A.C.D.) focuses on an ecumenical appropriation and communication of Christian doctrine for those teaching in Catholic high schools, for those interested in other religious education or formation programs and for persons interested in theological enrichment or in serving various other needs in the religious communities.

The master of arts in theology (M.A.) is intended primarily, but not exclusively, for those who intend to pursue a doctoral degree in theology or religious studies. The degree provides professional competence in the field of theological studies.

The doctor of philosophy in religious studies (Ph.D.) is a terminal academic degree producing professional specialists in one of the areas of Judaism and Christianity in antiquity, historical theology, systematics and theological ethics, while providing supporting competence in the others as well.

Prerequisites for Admission

Master of arts in Christian doctrine (M.A.C.D.) applicants should have an undergraduate degree with a major in theology (religion, religious studies) or some other appropriate background. Students should have some familiarity with Scripture and basic Christian doctrines. Opportunities to make up undergraduate deficiencies are available.

Master of arts in theology (M.A.) applicants should have an undergraduate major in theology (religion, religious studies) or other background (e.g., classics, philosophy) appropriate for graduate study in theology. A minor in philosophy is recommended for those planning to study systematic theology. Ideally, all applicants should have some familiarity with Scripture and basic Christian doctrine. The program offers ample opportunities for making up undergraduate deficiencies.

Doctorate in religious studies (Ph.D.) applicants should have a master’s degree or its equivalent in theology.

Application Deadlines

No official deadline exists for the master of arts in Christian doctrine (M.A.C.D.). Applications are reviewed on a rolling basis, and admitted students may begin their program in summer, fall or spring.

Master of arts (M.A.) application files must be complete by Dec. 15, including all supporting documents, for fall admission and financial aid consideration. Applicants not competing for financial aid may apply up to May 15. Master of arts students may only begin their program in fall or summer.

Doctoral (Ph.D.) application files must be complete by Dec. 15, including all supporting documents, for fall admission and financial aid consideration. Applicants will be notified by March 31. Doctoral students may only begin their program (religious studies) in fall.
Application Requirements

Applicants to all graduate programs in the Department of Theology must submit an online application directly to the Graduate School via the link found at marquette.edu/grad.

Applicants to the M.A. and M.A.C.D. programs must submit the following materials:

1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Complete, official undergraduate and graduate transcripts from all current and previous colleges/universities except Marquette, sent by issuing institutions directly to the Graduate School.
3. Results of the Graduate Record Examination (General Test only).
4. A brief statement of purpose that includes: reasons for wanting to enter the program, vocational objectives, special areas of interest, and reasons for selecting Marquette's program.
5. Three letters of recommendation.
6. (For applicants without an undergraduate degree in theology) a list of all college work in theology - course work, level and instructor, even though some of this also appears on official transcripts submitted.
7. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

Applicants to the Ph.D. program should submit the following materials:

1. A completed online application form and application fee.
2. Complete, official undergraduate and graduate transcripts from all current and previous colleges/universities except Marquette, sent by issuing institutions directly to the Marquette Graduate School.
3. Results of the Graduate Record Examination (General Test only).
4. A brief statement of purpose that includes: reasons for wanting to enter the program, vocational objectives, special areas of interest, and reasons for selecting Marquette’s program.
5. Three letters of recommendation. (Note: For doctoral applicants who are continuing their degree at Marquette, three new letters of recommendation are required.)
6. A statement of language proficiency: a list of formal course work, especially graduate reading courses, indicating when and where taken and grade earned; a description of private study, indicating when and where undertaken; and an estimate of present facility in reading, writing and speaking.
7. An academic writing sample of not more than 20 pages.
8. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

Master of Arts in Christine Doctrine (M.A.C.D.) Requirements

The M.A.C.D. degree requires 30 credit hours of course work. Up to 9 credit hours of 5000-level courses are acceptable for graduate credit if additional readings and writing assignments are arranged with the respective professor and completed satisfactorily. After successfully completing all course work, students will be required to write a comprehensive paper that integrates what they have learned in their courses and applies what they have learned to their career goals. M.A.C.D. candidates have no foreign language requirements. The M.A.C.D. is intended to be a terminal degree.

Core Courses and Electives

Of the 30 total credit hours of course work, 21 credit hours must be taken from the core courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEO 6110</td>
<td>Old Testament Method</td>
<td>3</td>
</tr>
<tr>
<td>THEO 6120</td>
<td>New Testament Method</td>
<td>3</td>
</tr>
<tr>
<td>THEO 6210</td>
<td>Origen to Late Medieval</td>
<td>3</td>
</tr>
<tr>
<td>THEO 6220</td>
<td>Late Medieval to Early Modern</td>
<td>3</td>
</tr>
<tr>
<td>THEO 6320</td>
<td>Christian Doctrine 1</td>
<td>3</td>
</tr>
<tr>
<td>THEO 6321</td>
<td>Christian Doctrine 2</td>
<td>3</td>
</tr>
<tr>
<td>THEO 6410</td>
<td>Introduction to Theological Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 21

In certain circumstances and in consultation with a student’s academic adviser, equivalent courses may be taken.

For the 9 credit hours of electives (three courses), the student must choose one course in each of the principal theological disciplines: Judaism and Christianity in antiquity, historical and systematics/ethics. In certain circumstances, and with the permission of the M.A.C.D. program adviser, the elective courses can be chosen from the following course ranges.

One from any of the following Judaism and Christianity in antiquity courses: THEO 5000 Digging the Bible: Archeology and Biblical Studies to THEO 5190 Studies in Biblical Theology;
One from any of the following historical courses: THEO 5200 Theology in the Early Church to THEO 5290 Studies in Historical Theology; and

One from any of the following systematics/ethics courses: THEO 5300 Contemporary Atheism and Theism to THEO 5540 Hinduism, Yoga, and Buddhism.

Master of Arts in Theology (M.A.) Requirements

A master’s student must complete 30 credit hours of course work, submit an approved research project, fulfill the department’s foreign language requirement and pass a comprehensive examination.

Core Courses and Electives

Master’s students may pursue either a Plan A or Plan B course of study. The student is assumed to be in Plan B unless a formal request to transfer to Plan A is approved by the department chairperson and the Graduate School.

The course work requirement for Plan A consists of 18 credit hours of core courses, six credit hours of electives, and six credit hours of work on the research project. Course work for Plan B consists of 18 credit hours of core courses and 12 credit hours of electives, in addition to completing a non-credit research project.

Master’s students in both Plans A and B must take 18 credit hours of required core courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEO 6110</td>
<td>Old Testament Method</td>
<td>3</td>
</tr>
<tr>
<td>THEO 6120</td>
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<td>3</td>
</tr>
<tr>
<td>THEO 6210</td>
<td>Origen to Late Medieval</td>
<td>3</td>
</tr>
<tr>
<td>THEO 6220</td>
<td>Late Medieval to Early Modern</td>
<td>3</td>
</tr>
<tr>
<td>THEO 6310</td>
<td>Introduction to Systematic Theology</td>
<td>3</td>
</tr>
<tr>
<td>THEO 6410</td>
<td>Introduction to Theological Ethics</td>
<td>3</td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td></td>
<td>18</td>
</tr>
</tbody>
</table>

In consultation with an adviser, and not later than the end of the first year of study, each student will choose a specialization (Judaism and Christianity in antiquity, historical or systematics/ethics). A student in Plan A must complete three credit hours of elective course work in each of the areas not chosen for specialization and six credit hours of work on a research project in the area of specialization. A student in Plan B must complete six credit hours of elective course work in the area of specialization and three credit hours in each of the other two areas.

Foreign Language Requirements

All students in the master of arts program in theology are required to pass a competency examination in German, French or another modern foreign language recognized as essential to the student’s research.

M.A. Comprehensive Examination

After all other requirements have been met, the comprehensive examination is administered by the Master of Arts Examination Committee. The exam is offered in April, July, and November. The examination is in three parts, each of which has two sections.

2. Historical: Origen to Late Medieval, Late Medieval to Early Modern
3. Systematics and Theological Ethics

The three parts, each two hours in duration, are taken at the same examination session. Each part of the comprehensive examination consists of six questions, from which the student must answer three, including at least one from each section. All questions are based on the current master’s bibliography and questions. The bibliography and questions are available through the departmental website at marquette.edu/theology. Additional information may be found in the department’s Procedures and Policies handbook.

Doctor of Philosophy in Religious Studies Requirements

All students entering the doctoral program are required to take the master’s proficiency exam, a minimum of 60 credit hours of graduate theology course work, plus 12 credit hours of dissertation work, fulfill the department’s foreign language requirement, pass qualifying examinations, and submit and successfully defend a dissertation.

M.A. Proficiency Examination

All students entering the doctoral program are required to take the master’s proficiency examination (equivalent to the master’s comprehensive examination described in the M.A. section above) approximately two weeks before beginning their program. Passing the examination demonstrates a broad, master’s level proficiency - the equivalent of material covered in Marquette’s core courses - in each of the three major theological disciplines: scripture, historical theology and systematics/ethics. The examination helps students and advisers to identify those areas which require additional preparation before beginning doctoral-level course work. This is in keeping with the character of the Marquette doctoral program in which specialization builds upon a sound knowledge of the history of the theological tradition. The
bibliography and questions for the exam are available through the departmental website at marquette.edu/theology/. Additional information may be found in the department’s Procedures and Policies handbook. Any student who does not demonstrate proficiency in one or more of the sections on the examination, or after a second examination during the first term, is required to take the related master’s level course. These courses do not count toward the final 30 hours required for doctoral-level course work.

Core Courses and Electives

The doctoral program in religious studies offers six areas of specialization. The doctoral qualifying examination (DQE) will emphasize the student’s chosen area of specialization. A student specializing in Judaism and Christianity in antiquity, historical theology, systematic theology or theological ethics must complete 36 credit hours of course work in the area of specialization and approximately 12 credit hours of course work in each of the other two areas.

A student in the theology and society specialization must complete at least 30 credit hours of theology course work (primarily in one area of specialization: Judaism and Christianity in antiquity, historical or systematics/ethics) selected around the theology and society theme, at least 9 credit hours in each of the two other areas of theology (at least 18 total), and 12 credit hours in one or more related human sciences (anthropology, economics, education, English, history, philosophy, political science, psychology, sociology). Students pursuing the healthcare mission and ethics option within the theology and society specialization must complete the 12 credit hours in healthcare related courses (such as: NURS 6007 Ethics in Health Care, NURS 6009 Creating Nursing Care Systems, HEAL 6841 Health Care Finance, HEAL 6846 Health Care Informatics, HEAL 6848 Health Care Policy, LAW 7156 Current Issues in Health Law, LAW 7181 Elder Law and LAW 7221 Health Law). Students in this option may be required to take additional course work, beyond the 60-credit-hour requirement, to certify their qualifications in both theology and the allied discipline. Qualifying examinations and dissertation topics for doctoral students in the theology and society specialization are expected to reflect the cross-disciplinary nature of the course work.

All doctoral students must complete an approved Doctoral Program Planning Form by the end of their first year of course work.

Doctoral Qualifying Examination (DQE)

This examination may be taken once the student has fulfilled the language requirement and is in the final semester of course work. The student obtains a copy of the area topics from the Department of Theology Web page and then, working with his or her adviser, chooses three topics in the major area and one in each of the two minor areas for presentation in the examination. (Responsibility for preparing the lists of topics rests with the faculties of the separate areas of concentration with the approval of the Graduate Committee.) The student submits the application form with tentative examination dates, the list of topics and the names of eight regular faculty members who have agreed to serve on the board (including normally, that of the adviser) to the Graduate Committee. The student also submits a list of all graduate courses in theology, according to areas, whether taken at Marquette University or elsewhere. The Graduate Committee then approves an examination board of five members, three from the student’s major area and one from each of the two minor areas and approves a chair for this board. The chair is normally a faculty member in the student’s major area; the student’s adviser may not serve as chair.

Once the Graduate Committee’s approval is obtained, the student registers at least one month before the qualifying examination with the assistant to the chair for the examination. There are no scheduled dates for qualifying examinations in the department. A student is free to register for any date falling on a regular class day between Sept. 1 and May 10. Once a student registers, this date should not be changed except for serious reasons and with the approval of the departmental chair. Soon after the DQE has been registered with the assistant to the chair, the chair of the exam informs members of the board about the day on which the DQE questions are due to the assistant to the chair. The chair of the examination board is responsible, in consultation with the other members of the board, for preparing two questions for each of the four sections of the written examination.

The student has three hours in which to answer each of the questions given. The oral examination lasts approximately ninety minutes, unless the chair of the qualifying board wishes to extend this period. The examiners are free to question the student about the examination responses, the questions given in the written portion of the examination or any other aspects of the topic areas originally chosen by the student. Each examiner, after consultation with the other members of the board if he or she so wishes, provides the chair of the qualifying board with a written evaluation of the student’s performance in both the written and oral parts of the examination. The qualifying board chair then submits these reports and his/her own chair’s report to the departmental chair for a signature and forwarding to the Graduate School. While the board will normally give an informal notification of the results of the examination immediately after the oral portion, the Graduate School will officially notify the student of the results after one or two weeks. A student needs four out of five ‘satisfactory’ judgments to pass.

To summarize the process:

The student obtains a copy of the topic areas and the application form.

In consultation with the adviser, the student selects three (3) topics in the major area and one (1) topic in each of the minor areas. The topic areas on the application form must match exactly with those on the topics list.

The student solicits three (3) faculty members in the major topic area and one (1) in each of the minor areas to serve as the examining board. Three (3) alternate faculty names must be provided. Note: The student’s adviser may be on the DQE board but may not serve as the chair.
The student prepares the DQE application form and a list of courses that the student has taken both at Marquette and in the previous graduate institution. These are submitted to the Graduate Committee. Student and adviser are notified when the examination topics and board have been approved by the Graduate Committee and an exam registration form is provided.

The faculty member who chairs the DQE board is responsible for 1) contacting the other members of the examination board to solicit the examination questions, 2) arranging with the other members of the board the time of the oral examination, 3) communicating the time and place of the examination to the student and 4) preparing the examination questions. (The assistant to the chair schedules the exam on the departmental calendar.)

Faculty members who participate in DQE boards should clarify their expectations with the student. These include, at least, the list of required materials for preparation and the number of conversations the faculty member expects to have with the student prior to the examination.

Foreign Language Requirements

All doctoral students are required to pass a competency examination in two modern foreign languages (normally German and French; another language essential for the student’s research may be substituted for one of these two in consultation with the student’s adviser). Students with a master’s degree from an institution other than Marquette are urged to pass their first foreign language examination before course work begins and must do so by the end of their first year in the program. Students must pass both German and French or other accepted modern language by the end of their second year in the program. Students must pass all language requirements prior to their doctoral qualifying examinations.

Language competency examinations are administered, for a fee, by the Department of Foreign Languages and Literatures, which also offers courses in preparation for the examination.

Students who specialize in Old Testament/Hebrew Bible studies must also pass examinations in Hebrew at the advanced level and Greek at the intermediate level of competence. Students who specialize in New Testament studies must also pass examinations in Greek at the advanced level and Hebrew at the intermediate level of competence. Students in historical theology and in systematics/ethics within the Western theological traditions must also pass a competency examination in Latin; those studying within other theological traditions must pass a competency examination in Latin, Greek or another ancient language recognized as essential to the student’s research. Students in systematic theology and theological ethics must also pass a competency examination in Latin. Students in the theology and society option have no additional language requirements beyond the two modern foreign languages (normally German and French; another language essential for the student’s research may be substituted for one of these two in consultation with the student’s adviser). Students in the healthcare mission and ethics option are required to pass competency examinations in Latin and one other modern language (normally German or French; another language essential for the student’s research may be substituted for one of these two in consultation with the student’s adviser).

Doctoral Dissertation

The student chooses a topic that falls within the scope of the department’s understanding of religious studies and for which the student can locate a faculty director with the necessary competence and interest. The student is encouraged to identify a topic and an available director toward the end of course work or while preparing for the qualifying examination. A dissertation outline may not be submitted to the Graduate School, however, until the qualifying examination has been completed. Once the student and the director are in agreement on the dissertation proposal, the student fills out the Doctoral Dissertation Outline. The student submits this (unsigned) outline to the Graduate Committee, with a cover letter from the director indicating his/her willingness to serve as director, together with the proposal of at least six names, exclusive of the director’s, of the full-time faculty of the department (who have also indicated their willingness to serve) for consideration as nominees to the four-person dissertation board. Outside the theology and society program, the members of a doctoral dissertation committee should be full-time members of the Theology Department unless a special request is made and approved. The departmental chair, after consultation with the departmental Graduate Committee, then nominates a board and notifies the director to convene a meeting within six weeks with the proposed board and the student to secure in writing the board’s approval of the outline or their suggested revisions. Once the board has approved the outline, it is returned to the departmental chair for a signature. It is then sent to the Graduate School. In consultation with other members of the board, the student then completes the dissertation to the satisfaction of the director.

Dissertation Defense

Once the director judges that the dissertation is ready for a public defense, and at least one month prior to the date of the defense and two months prior to the Graduate School deadline for submitting final copies of the dissertation (this is more time than the Graduate School requires), the assistant to the chair distributes the defense copies of the dissertation to the members of the board. Board members have at least one month in which to read the dissertation by the last day of which they must inform the director whether they agree that the dissertation is ready for defense. If one or more members of the board determine that the dissertation is not ready for defense, the director, after informing the student of the situation, may reschedule it. Board members should feel free to communicate additional criticisms of the dissertation to the director before the defense. After the board members have read the dissertation, the final public defense is held. The date of the defense must be at least one month prior to the Graduate School deadline for submitting final copies of the dissertation (again, more time than the Graduate School requires). Furthermore, at least one month prior to the defense date the student must submit to the assistant to the chair an abstract (no longer than 350 words) and the announcement of public defense form. An electronic copy of the abstract should be emailed to the Graduate School. Additional copies of the program are made available to those attending the public defense. The entire
board is present for the defense, with the dissertation director as chair. The candidate presents a brief summary of the work done. All the readers offer comments and question the student. Finally, the director offers comments and questions the student. Comments and questions from the floor may be invited by the director.

After the defense the student has at least three weeks to correct and revise the dissertation in light of the written and oral criticisms received. The final dissertation is submitted electronically to the Graduate School. Detailed instructions for electronic dissertation submission are available on the Graduate School’s Web page.

The following items are not part of the electronic submission, but they are still due in the Graduate School by the dissertation deadline. They will be collected/provided by the Department of Theology.

1. One paper copy of the signature page.
2. Dissertation Committee Approval form.
3. One hard copy of the dissertation for the Department of Theology library. (Your dissertation director may also ask you to provide a copy of the dissertation for his/her personal library.)
Transfusion Medicine (TRME)

Program Director: Susan T. Johnson, M.S.T.M., M.T. (ASCP), S.B.B.
www.bcw.edu/bcw/education/sbbprogram/index.htm

Degree Offered
Master of Science in Transfusion Medicine, students are admitted under Plan B (non-thesis option) but Plan A (thesis option) may be requested.

Specializations
Business Administration, Education, Science

Program Description
The Transfusion Medicine program is an ongoing collaboration between Marquette University and BloodCenter of Wisconsin. The first 18 credits must be completed at BloodCenter within two and a half years of starting the program. Additional credits are completed exclusively at Marquette University. Students have the option to enroll at Marquette if it does not interfere with course work at BloodCenter.

Application Requirements
Applicants must submit, directly to the Graduate School:
1. A completed application form and fee online at marquette.edu/grad/future_apply.shtml.
2. Official transcripts from all current and previous colleges/universities except Marquette.
3. Three letters of recommendation.
4. (For international applicants only) GRE scores.
5. (For international applicants only) a TOEFL score or other acceptable proof of English proficiency.

Note: Applicants must currently be enrolled in the BloodCenter’s independent course of study, the Specialist in Blood Banking program, in order to be eligible to apply for the master of science program in transfusion medicine at Marquette University.

Transfusion Medicine Master’s Requirements
For Plan B (non-thesis option – default), students must complete 39 or 40 total graduate-level credit hours depending on subspecialty. Students must complete 18 credit hours in transfusion medicine (TRME) courses, 18 or 19 credit hours in the subspecialty (19 credit hours in the business administration subspecialty, 18 or 19 credit hours in the science subspecialty, OR 18 credit hours in the education subspecialty), plus 3 capstone essay credit hours. When the 18 TRME credits are completed at BloodCenter, the student is required to take a national examination.

Students may request Plan A (thesis option) after admission and, if selected, should secure co-direction on their thesis from a member of their subspecialty faculty.

Core Courses
TRME students are required to take the following courses (18 credits), participate in the department colloquium (no credit), complete a capstone (3 credits), for a total of 21 TRME credits. Students must also fulfill the requirements for one of the three subspecialties of business administration, education or science.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRME 6101</td>
<td>Introduction to Transfusion Medicine</td>
<td>1</td>
</tr>
<tr>
<td>TRME 6201</td>
<td>Immunohematology 1</td>
<td>2</td>
</tr>
<tr>
<td>TRME 6202</td>
<td>Immunohematology 2</td>
<td>2</td>
</tr>
<tr>
<td>TRME 6220</td>
<td>Essentials of Blood Collection and Testing</td>
<td>3</td>
</tr>
<tr>
<td>TRME 6301</td>
<td>Management and Education in Transfusion Medicine</td>
<td>3</td>
</tr>
<tr>
<td>TRME 6401</td>
<td>Anemias and Related Topics</td>
<td>2</td>
</tr>
<tr>
<td>TRME 6402</td>
<td>Hemostasis and Transplantation</td>
<td>2</td>
</tr>
<tr>
<td>TRME 6501</td>
<td>Pathophysiology in Transfusion Medicine</td>
<td>2</td>
</tr>
<tr>
<td>TRME 6988</td>
<td>Transfusion Medicine Project</td>
<td>1</td>
</tr>
<tr>
<td>TRME 6952</td>
<td>Colloquium in Transfusion Medicine</td>
<td>0</td>
</tr>
<tr>
<td>TRME 6997</td>
<td>Transfusion Medicine Capstone</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Credit Hours 21
Subspecialty Requirements

Business Administration

Students are required to take three core courses, four electives, and must meet all prerequisite requirements for the master of business administration classes. Students must also select an area of specialization from the following: organizational management, operations and supply chain management, accounting and finance, marketing, or management information systems. Those students who have academic backgrounds sufficient to waive any of the required courses will be allowed to complete additional elective course work.

The required courses ensure a fundamental understanding of the basics of accounting, human resources, and organizational issues in the work place. In addition, the environmental influences courses place a strong emphasis on Marquette’s traditional focus on societal concerns and the social responsibilities of today’s working professional.

<table>
<thead>
<tr>
<th>Required Course</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>ACCO 6000   Accounting Foundations</td>
<td>7</td>
</tr>
<tr>
<td>ECON 6000   Economics Foundations</td>
<td></td>
</tr>
<tr>
<td>HURE 6170 or MANA 6170 Ethical Issues, Regulatory Environment and Human Resource Management</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Elective Course</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCO 6180 Financial Statement Analysis</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 19

Organizational Management

<table>
<thead>
<tr>
<th>Required Course</th>
<th></th>
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<tbody>
<tr>
<td>MANA 6100   Organizational Behavior</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Elective Course List</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>HURE 5003 Employment Law</td>
<td></td>
</tr>
<tr>
<td>HURE 5020 Labor Relations and Collective Bargaining</td>
<td></td>
</tr>
<tr>
<td>HURE 6170 Ethical Issues, Regulatory Environment and Human Resource Management</td>
<td></td>
</tr>
<tr>
<td>HURE 6510 Strategic Compensation</td>
<td></td>
</tr>
<tr>
<td>HURE 6535 Diversity in Organizations</td>
<td></td>
</tr>
<tr>
<td>HURE 6580 Training and Development</td>
<td></td>
</tr>
<tr>
<td>HURE 6931 Topics in Human Resource Management</td>
<td></td>
</tr>
<tr>
<td>MANA 6110 Leadership, Motivation and Organizational Change</td>
<td></td>
</tr>
<tr>
<td>MANA 6125 Negotiations</td>
<td></td>
</tr>
<tr>
<td>MANA 6140 International Management</td>
<td></td>
</tr>
<tr>
<td>MANA 6931 Topics in Management</td>
<td></td>
</tr>
<tr>
<td>MANA 6953 Seminar in Management:</td>
<td></td>
</tr>
<tr>
<td>MANA 6995 Independent Study in Management</td>
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</tr>
</tbody>
</table>

Total Credit Hours 12

Operations and Supply Chain Management

<table>
<thead>
<tr>
<th>Required Course</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>OSCM 6100   Operations and Supply Chain Management</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Elective Course</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSCM 6110 Manufacturing Management</td>
<td></td>
</tr>
<tr>
<td>OSCM 6115 Service Operations Management</td>
<td></td>
</tr>
<tr>
<td>OSCM 6120 Quality and Process Management</td>
<td></td>
</tr>
<tr>
<td>OSCM 6140 Globalization and Global Operations</td>
<td></td>
</tr>
<tr>
<td>OSCM 6141 International Operations Management</td>
<td></td>
</tr>
<tr>
<td>OSCM 6150 e-Business and Supply Chain</td>
<td></td>
</tr>
<tr>
<td>OSCM 6180 Supply Chain and Technology Management</td>
<td></td>
</tr>
<tr>
<td>OSCM 6931 Topics in Operations and Supply Chain Management</td>
<td></td>
</tr>
<tr>
<td>OSCM 6953 Seminar in Operations and Supply Chain Management</td>
<td></td>
</tr>
<tr>
<td>OSCM 6995 Independent Study in Operations and Supply Chain Management</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours 12

Accounting and Finance

Required Courses

| ACCO 6100         Managerial Accounting               |  6 |
| FINA 6100         Financial Management                 |    |

Elective Courses

<p>| ACCO 6180         Financial Statement Analysis         |  6 |
|                 |    |</p>
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENTP 6180</td>
<td>Entrepreneurial Finance</td>
</tr>
<tr>
<td>FINA 6081</td>
<td>Investment Banking</td>
</tr>
<tr>
<td>FINA 6111</td>
<td>Investments</td>
</tr>
<tr>
<td>FINA 6130</td>
<td>Bank Management</td>
</tr>
<tr>
<td>FINA 6140</td>
<td>International Financial Management</td>
</tr>
<tr>
<td>FINA 6160</td>
<td>Financial Derivatives</td>
</tr>
<tr>
<td>FINA 6165</td>
<td>Fixed Income Markets and Securities</td>
</tr>
<tr>
<td>FINA 6170</td>
<td>Investment Management, Ethics and Society</td>
</tr>
<tr>
<td>FINA 6931</td>
<td>Topics in Finance</td>
</tr>
<tr>
<td>FINA 6953</td>
<td>Seminar in Finance</td>
</tr>
<tr>
<td>FINA 6995</td>
<td>Independent Study in Finance</td>
</tr>
<tr>
<td>REAL 6115</td>
<td>Real Estate Finance and Investments</td>
</tr>
</tbody>
</table>
|             | **Total Credit Hours**                           | 12

**Marketing**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MARK 6100</td>
<td>Marketing Management</td>
</tr>
<tr>
<td>MARK 6110</td>
<td>Consumer Behavior</td>
</tr>
<tr>
<td>MARK 6120</td>
<td>Integrated Marketing Communications</td>
</tr>
<tr>
<td>MARK 6130</td>
<td>Customer Relationship Management</td>
</tr>
<tr>
<td>MARK 6140</td>
<td>Global Marketing Strategy</td>
</tr>
<tr>
<td>MARK 6160</td>
<td>Marketing Research</td>
</tr>
<tr>
<td>MARK 6170</td>
<td>Marketing Ethics and Social Responsibility</td>
</tr>
<tr>
<td>MARK 6180</td>
<td>Strategic Marketing</td>
</tr>
<tr>
<td>MARK 6185</td>
<td>Brand Management</td>
</tr>
<tr>
<td>MARK 6190</td>
<td>Marketing and Public Policy</td>
</tr>
<tr>
<td>MARK 6931</td>
<td>Topics in Marketing</td>
</tr>
<tr>
<td>MARK 6953</td>
<td>Seminar in Marketing</td>
</tr>
<tr>
<td>MARK 6995</td>
<td>Independent Study in Marketing</td>
</tr>
</tbody>
</table>
|             | **Total Credit Hours**                           | 12

**Management Information Systems**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>INTE 6150</td>
<td>Information Technology Strategy</td>
</tr>
<tr>
<td>INTE 6153</td>
<td>Project Management</td>
</tr>
<tr>
<td>INTE 6156</td>
<td>Privacy and Security</td>
</tr>
<tr>
<td>INTE 6157</td>
<td>Global Information Technology Sourcing</td>
</tr>
<tr>
<td>INTE 6158</td>
<td>Systems Analysis and Design</td>
</tr>
<tr>
<td>INTE 6931</td>
<td>Topics in Information Technologies</td>
</tr>
<tr>
<td>INTE 6953</td>
<td>Seminar in Information Technologies</td>
</tr>
<tr>
<td>INTE 6995</td>
<td>Independent Study in Information Technologies</td>
</tr>
</tbody>
</table>
|             | **Total Credit Hours**                           | 12

**Education**

Students in this subspecialty are required to take three core courses and three electives. Those students who have academic backgrounds sufficient to waive any of the required courses will be allowed to complete additional elective course work.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COUN 6051</td>
<td>Introduction to Research Methods in Counseling</td>
</tr>
<tr>
<td>or EDPL 6000</td>
<td>Introduction to Educational Inquiry</td>
</tr>
<tr>
<td>EDPL 6450</td>
<td>Theories of Learning Applied to Instruction</td>
</tr>
<tr>
<td>EDPL 6953</td>
<td>Seminar in Analysis of Teaching</td>
</tr>
</tbody>
</table>
|            | **Total Credit Hours**                           | 9

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COPS 8032</td>
<td>Theories of Motivation</td>
</tr>
<tr>
<td>COPS 8310</td>
<td>Intermediate Research and Statistics</td>
</tr>
<tr>
<td>COPS 8320</td>
<td>Measurement and Evaluation</td>
</tr>
<tr>
<td>EDPL 6440</td>
<td>Foundations of Curriculum Planning</td>
</tr>
<tr>
<td>EDPL 6860</td>
<td>Supervision of Instruction</td>
</tr>
</tbody>
</table>
|            | **Total Credit Hours**                           | 9
### Science

Students in this subspecialty are required to take four core courses and 9-10 credits of electives. Those students who have academic backgrounds sufficient to waive any of the required courses will be allowed to complete additional elective course work.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 5806</td>
<td>Immunobiology</td>
</tr>
<tr>
<td>BIOL 8101</td>
<td>Protein Structure and Function</td>
</tr>
<tr>
<td>BIOL 8102</td>
<td>Biochemistry and Function of Nucleic Acids</td>
</tr>
<tr>
<td>BIOL 8202</td>
<td>Principles of Eukaryotic Genetics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Elective Courses</th>
<th>9-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 6001</td>
<td>Radioisotope Safety</td>
</tr>
<tr>
<td>BIOL 8201</td>
<td>Developmental Genetics and Epigenetics</td>
</tr>
<tr>
<td>BIOL 8301</td>
<td>Imaging and Cytoskeletons</td>
</tr>
<tr>
<td>BIOL 8302</td>
<td>Protein Trafficking and Organelle Identity in Eukaryotic Cells</td>
</tr>
<tr>
<td>BIOL 8603</td>
<td>Cell and Molecular Biology of Early Development</td>
</tr>
<tr>
<td>BIOL 8702</td>
<td>Muscle Biology</td>
</tr>
<tr>
<td>BIOL 8704</td>
<td>Cellular Homeostasis</td>
</tr>
<tr>
<td>BIOL 8801</td>
<td>Prokaryotic Molecular Genetics</td>
</tr>
<tr>
<td>BIOL 8802</td>
<td>Microbiology in the Environment</td>
</tr>
<tr>
<td>BIOL 8953</td>
<td>Seminar in Biochemistry and Genetics</td>
</tr>
<tr>
<td>BIOL 8956</td>
<td>Seminar in Cell and Developmental Biology</td>
</tr>
<tr>
<td>BIOL 8957</td>
<td>Seminar in Physiology</td>
</tr>
<tr>
<td>CHEM 6201</td>
<td>Physical Methods of Analysis</td>
</tr>
<tr>
<td>CHEM 6202</td>
<td>Spectrochemical Methods of Analysis</td>
</tr>
<tr>
<td>CHEM 6204</td>
<td>Analytical Separations</td>
</tr>
<tr>
<td>COUN 6051</td>
<td>Introduction to Research Methods in Counseling</td>
</tr>
</tbody>
</table>

**Total Credit Hours** 18-19
**University Directory**

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Charles M. Swoboda (Chair)
Eng '89
Chairman and CEO, Cree, Inc.

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Grad '84, President, Global Power Group, Kohler Company

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Law '64
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Washington Hospital Center

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Arts '68
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Arts '68
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Comm '98
Grad '04
National Correspondent, CBS News

Peggy Troy
Nurs '74
President and CEO, Children's Hospital and Health System

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Bus Ad '76
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Arts '68
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Eng '86
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Jour '87
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Eng ’69
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Grad ’65
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Sp ’66
Grad ’66
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Bus Ad ’65
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Honorary Consul General of the Republic of Liberia
Honorary Consul General of the Republic of Honduras
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Provost Ex-Officio

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College of Nursing faculty elected at large-2013

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Journalism Department elected faculty-2015

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Klingler College of Arts and Sciences elected faculty-2014

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School of Dentistry elected faculty-2014

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Diederich College of Communication Dean’s Representative

Margaret L. (Peggy) Bloom, Ph.D.
College of Education elected faculty-2014

Bruce Boyden, J.D.
Law School elected faculty-2014

Margaret Bull, Ph.D.
College of Nursing elected faculty-2015

Patricia Cervenka, J.D.
Law School elected faculty-2013

Rev. Michael Class, S.J.
College of Professional Studies elected faculty-2013

James Courtright, Ph.D.
Klingler College of Arts and Sciences elected faculty-2013

Robert J. Deahl, Ph.D.
College of Professional Studies Dean’s Representative

Andrew Dentino
School of Dentistry elected faculty-2015

Alexander Drakopoulos, Ph.D.
College of Engineering elected faculty-2013

William Fliss
Academic Library Association elected faculty librarian-2015

Marilyn Frenn, Ph.D.
College of Nursing elected faculty-2014

Ana Garner, Ph.D.
Diedrich College of Communication faculty elected at large-2015

Paul Gasser, Ph.D.
College of Engineering faculty elected at large-2015

Gregory Gillman
Graduate/Professional Student Student Representative-2013

Steven Goldzwig, Ph.D.
Diedrich College of Communication elected faculty-2013

William A. Henk, Ed.D.
College of Education Dean’s Representative

Marie Hoeger-Bement
College of Health Sciences elected faculty-2015

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Vice Provost for Research and Dean of the Graduate School Ex-Officio

Sandra Hunter, Ph.D.
College of Health Sciences elected faculty-2013

Morgan Johnson
Marquette University Student Government 2013

Peter Jones, Ph.D.
Mathematics, Statistics and Computer Sciences Department faculty elected at large-2013

Noreen Leharlt
Business Administration faculty elected at large-2015

Scott Mandernack
Library faculty elected at large-2014

Cheryl Maranto, Ph.D.
College of Business Administration elected faculty-2014

Tim Melchert, Ph.D.
College of Education elected faculty-2015

Gary S. Meyer, Ph.D.
Vice Provost for Undergraduate Programs and Teaching Ex-Officio

Rev. Philip J. Rossi, S.J., Ph.D.
Interim Dean, Klingler College of Arts and Sciences Ex-Officio

Dawn Smith
Physician Assistant Studies Part-time faculty elected at large-2014

John Su, Ph.D.
Klingler College of Arts and Sciences elected faculty-2015

Siddhartha Syam, Ph.D.
College of Business Administration elected faculty-2015

Arica Von Boxtel
Marquette University Student Government 2013
Janice Welburn
College of Libraries Dean's Representative
G.E. Otto Widera, Ph.D.
College of Engineering elected faculty-2014

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College of Engineering

Margaret Faut Callahan, Ph.D. (Dean)
College of Nursing

William E. Cullinan, Ph.D. (Dean)
College of Health Sciences

Robert J. Deahl, Ph.D. (Dean)
College of Professional Studies

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College of Business Administration/Graduate School of Management

Joseph D. Kearney (Dean)
Law School

William A. Henk, Ed.D. (Dean)
College of Education

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Graduate School

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School of Dentistry

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Klingler College of Arts and Sciences

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Libraries

Georgia McRae (University Registrar)
Office of the Provost

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Johnette L. (Jay) Caulfield, Ph.D.
College of Professional Studies 2014

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Diedrich College of Communication 2013

Kim L. Halula, Ph.D.
College of Health Sciences 2013

Arthur F. Hefti, Ph.D.
School of Dentistry 2015

Jeanne M. Hossenlopp, Ph.D.
Vice Provost for Research and Dean of the Graduate School Ex-Officio

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College of Business Administration 2014

Maureen O’Brien, Ph.D.
College of Nursing 2015

Luke Samalya
Graduate Student Organization/Graduate Student 2015

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Klingler College of Arts and Sciences/Social Sciences 2015

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Klingler College of Arts and Sciences/Humanities 2013

Daniel Rowe, Ph.D.
Klingler College of Arts and Sciences/Natural Sciences 2014

Doris Walker Dalhouse, Ph.D.
College of Education 2015

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Vice Provost for Research and Dean of the Graduate School

Timothy P. Melchert
Assistant Vice Provost

Rev. Thaddeus J. Burch, S.J.
Director of Special Projects

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Professor of Theology

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Associate Dean
Associate Professor of Spanish

William A. Donaldson, Ph.D.
Associate Dean
Professor of Chemistry

**Faculty and Department Administrators**

Allison L. Abbott, Ph.D.
Tufts University
Assistant Professor of Biological Sciences

Noel S. Adams, Ph.D.
University of Wisconsin-Madison
Associate Professor of Philosophy

Eugenia V. Afinoguenova, Ph.D.
Georgetown University
Associate Professor of Spanish
Raquel Aguilu de Murphy, Ph.D.
University of Wisconsin-Madison
Associate Professor of Spanish
Sabbatical: Spring 2013

Sheikh Ahamed, Ph.D.
Arizona State University
Associate Professor of Mathematics, Statistics and Computer Science

James T. Anderson, Ph.D.
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Associate Professor of Biological Sciences

Thomas C. Anderson, Ph.D.
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Adjunct Assistant Professor of Spanish

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Professor Emeritus of Philosophy

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University of Chicago
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Harvard University
Laboratory Supervisor, Chemistry

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University of Notre Dame
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Yale University
Assistant Professor of Political Science

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Moscow Institute of Physics and Technology
Associate Professor of Chemistry

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Chair, Political Science

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University of California-Berkeley
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Assistant Professor of Spanish

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Fordham University
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Cornell University
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Edwin Block, Ph.D.
Stanford University
Professor Emeritus of English

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Yale University
Associate Professor of Biological Sciences

Mary-Catherine (M.C.) Bodden, Ph.D.
University of Toronto
Associate Professor of English

Janet K. Boles, Ph.D.
University of Texas-Austin
Professor Emerita of Political Science

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Associate Professor of English

Sarah Bond, Ph.D.
University of North Carolina-Chapel Hill
Assistant Professor of History

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Lecturer

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Associate Professor of Economics

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Assistant Professor of Political Science
J. Glenn Brookshear, Ph.D.
New Mexico State University
Associate Professor Emeritus of Mathematics, Statistics and Computer Science

Benjamin L. Brown, Ph.D.
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Chair, Physics

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Chair, Institutional Animal Care and Use Committee

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Washington University at St. Louis
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Joshua Ezra Burns, Ph.D.
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Fordham University
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William J. Kelly, S.J. Chair in Catholic Theology

Consuelo Carrillo, M.A.
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Adjunct Instructor of Spanish

German D. Carrillo, Ph.D.
University of Illinois at Urbana-Champaign
Professor of Spanish
Sabbatical: Spring 2013

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Boston University
Professor of Philosophy

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Associate Dean

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Director, First-Year English Program

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Dinorah Cortes-Velez, Ph.D.
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Assistant Professor of Spanish

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Johns Hopkins University
Professor of Biological Sciences
Sabbatical: 2012-2013

Alexandra L. Crampton, Ph.D.
University of Michigan-Ann Arbor
Assistant Professor of Social Welfare and Justice

Deborah D. Crane, M.S.W.
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Adjunct Assistant Professor of Social Welfare and Justice

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Sheldon E. Cremer, Ph.D.

University of Rochester
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Directory of Center for Global Economic Studies

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Michigan State University
Professor of Economics

Ed de St. Aubin, Ph.D.
Northwestern University
Associate Professor of Psychology
Assistant Chair, Psychology
Sabbatical: 2012-2013

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Gregorian University-Rome
Assistant Professor of Theology
Dean, College of Professional Studies

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Professor of Political Science

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Visiting Assistant Professor of Chemistry

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Associate Dean

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Emmett Doerr Chair, Catholic Systematic Theology

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Wehr Distinguished Professor of Biological Sciences
Sabbatical: 2012-2013

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Edward T. Duffy, Ph.D.
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Professor of Biological Sciences
Sabbatical: Spring 2013

Alison Clark Efford, Ph.D.
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Chair, Biological Sciences
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Professor of Political Science
Director, Undergraduate Studies

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Associate Professor of History
Sabbatical: 2012-2013

Susanne E. Foster, Ph.D.
University of Notre Dame
Associate Professor
Assistant Chair, Philosophy

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Professor Emeritus of Mathematics, Statistics and Computer Science

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Graduate Center, City University of New York
Assistant Professor of Sociology

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University of Kansas-Lawrence
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Associate Professor of Philosophy

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The Ohio State University
Associate Professor of English

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Harvard University
Associate Professor of English
Alicia B. Kehoe, Ph.D.  
Harvard University  
Professor Emerita of Anthropology  

Rev. William J. Kelly, S.J., S.T.D  
Institut Catholique of Paris  
Associate Professor Emeritus of Theology  

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Marquette University  
Professor of Chemistry  

Lezlie S. Knox, Ph.D.  
University of Notre Dame  
Associate Professor of History  

Heather H. Kohls, Ph.D.  
University of Wisconsin-Milwaukee  
Adjunct Associate Professor of Economics  
Director of Global Business Learning  

Chima Korieh, Ph.D.  
University of Toronto  
Associate Professor of History  
Sabbatical: Fall 2012  

Evgenii Kovrigin, Ph.D.  
Engelhardt Institute of Molecular Biology-Moscow  
Assistant Professor of Chemistry  

Jeanette R. Kraemer, Ph.D.  
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Associate Professor of French  

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Adjunct Instructor of Japanese  

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Chair, Mathematics, Statistics and Computer Science  

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Professor Emeritus of History  

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University of Minnesota-Twin Cities  
Associate Professor of Physics  

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Yale University  
Professor of Theology  
Sabbatical: 2012-2013  

Jean-Pierre Lafouge, Ph.D.  
Indiana University  
Associate Professor of French  

Rev. John D. Laurance, S.J., Ph.D.  
University of Notre Dame  
Associate Professor of Theology  

Willard E. Lawrence, Ph.D.  
University of Wisconsin-Madison  
Professor Emeritus of Mathematics, Statistics and Computer Science  

Lawrence R. LeBlanc, Ph.D.  
University of Iowa  
Professor Emeritus of Political Science  

Corinna Lee, Ph.D.  
Cornell University  
Assistant Professor of English  

Ulrich L. Lehner, Ph.D.  
University of Regensburg-Germany  
Associate Professor of Theology  

Noreen E. Lephardt, Ph.D.  
University of Tennessee-Knoxville  
Adjunct Associate Professor of Economics  

Sergey V. Lindeman, Ph.D.  
Russian Academy of Science-Moscow  
Supervisor, X-ray Laboratory  

D. Stephen Long, Ph.D.  
Duke University  
Professor of Theology  

H. Sebastian Luft, Ph.D.  
University of Wuppertal- Germany  
Associate Professor of Philosophy  

Tyler Luiten, Ph.D.  
University of Wisconsin-Madison  
Visiting Assistant Professor of German  

Sandra D. Lukaszewski-Rose, Ph.D.  
University of Iowa  
Lab Coordinator, Chemistry  

M. Therese Lyonnaise, Ph.D.  
Duke University  
Associate Professor of Theology  
Sabbatical: 2012-2013  

Nelson J. López Rojas, Ph.D.  
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Tim W. Machan, Ph.D.  
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Professor of English  

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Sabbatical: Fall 2012  

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Associate Professor of Theology
Laura E. Matthew, Ph.D.
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Assistant Professor of History
Rev. Donald R. Matthys, S.J., Ph.D.
Washington University at St. Louis
Professor of Physics
Mickey L. Mattox, Ph.D.
Duke University
Associate Professor of Theology
Director, Undergraduate Studies
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Associate Professor of Political Science
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Executive Associate Dean, Business Administration
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Stephen J. Merrill, Ph.D.
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Associate Professor Emeritus of Sociology
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Research Professor of Social and Cultural Sciences
Paul Misner, Th.D.
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Professor Emeritus of Theology
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Sabbatical: Spring 2013

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Director, Undergraduate Advising  
Mark Simonson, M.B.A.  
Director, Academic Business Affairs  
Susan Stang, M.S.E.  
Director, Field Placements and Licensure
<table>
<thead>
<tr>
<th>Name</th>
<th>University</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Howard L. Fuller, Ph.D.</td>
<td>Marquette University</td>
<td>Professor of Education</td>
</tr>
<tr>
<td>William Henk, Ed.D.</td>
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</tr>
<tr>
<td>Tyra Hildebrand, M.Ed.</td>
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<td>Adjunct Instructor</td>
</tr>
<tr>
<td>Heidi Hudson-Mairet, M.Phil</td>
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<td>Lecturer</td>
</tr>
<tr>
<td>John M. Ivanoff, Ed.D.</td>
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</tr>
<tr>
<td>Jody Jessup-Anger, Ph.D.</td>
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</tr>
<tr>
<td>Jane Joyce, M.S.</td>
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</tr>
<tr>
<td>Kathleen Kean, M.A.</td>
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</tr>
<tr>
<td>Sarah Knox, Ph.D.</td>
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</tr>
<tr>
<td>Mark Kuranz, M.S.</td>
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</tr>
<tr>
<td>Rev. Jeffrey T. LaBelle, S.J., Ed.D.</td>
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</tr>
<tr>
<td>Hannah Lane, M.A.</td>
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</tr>
<tr>
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<tr>
<td>Lauren Leslie, Ph.D.</td>
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</tr>
<tr>
<td>Vanessa Liederbach, Ph.D.</td>
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</tr>
<tr>
<td>Francesca Lopez, Ph.D.</td>
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<td>Assistant Professor of Education</td>
</tr>
<tr>
<td>Rebecca Lorentz, Ph.D.</td>
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</tr>
<tr>
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</tr>
<tr>
<td>Timothy P. Melchert, Ph.D.</td>
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</tr>
<tr>
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</tr>
<tr>
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</tr>
<tr>
<td>William T. Pink, Ph.D.</td>
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<tr>
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