

# Graduate School Bulletin

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## From the 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 contribute 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 Preparing Future Faculty and Professionals 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 on the Graduate School website (<http://www.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!

Douglas W. Woods, Ph.D.  
Vice Provost for Graduate and Professional Studies  
Dean of the Graduate School

## Mission Statement

Informed by our Jesuit, Catholic heritage, the mission of the Marquette University Graduate School is to recruit, support, and educate students to be highly innovative, competent, and ethical researchers, scholars and professionals who are committed to the service of others.

## 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 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 degree requirements. If any exceptions to this policy are required due to length of time between submitting an application and beginning the program, the student is 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 ([http://www.marquette.edu/mucentral/registrar/cal\\_acadcal1415grad.shtml](http://www.marquette.edu/mucentral/registrar/cal_acadcal1415grad.shtml)) (e.g., for submitting forms, submitting theses or dissertations).

## 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. 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.

## 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 email address is mugs@marquette.edu, and the website is <http://www.marquette.edu/grad/>.

## Degrees Offered

\* No formal specialization offered.

Program	Degree	Specializations	Program Administered By:
Applied Statistics (APST)	M.S.	*	Mathematics, Statistics and Computer Science
Bioinformatics (BIIN)	M.S.	*	Mathematics, Statistics and Computer Science / Medical College of Wisconsin
Biological Sciences (BSCI)	M.S., Ph.D.	Biochemistry (BCHM), Cell Biology (CEBI), Developmental Biology (DEBI), Ecology (ECOL), Genetics (GENE), Microbiology (MICR), Molecular Biology (MOBI), Neurophysiology (NPHY), Physiology (PHYS)	Biological Sciences
Biological Sciences (BSCI)	Ph.D.	Neuroscience (NSCI)	Biological Sciences / Biomedical Sciences
Biomedical Engineering (BIEN)	M.S., Ph.D.	Bioinstrumentation/Computers (BICO), Biomechanics/Biomaterials (BIOM), Rehabilitation Bioengineering (REBI), Systems Physiology (SYPH)	Biomedical Engineering
Biomedical Engineering (BIEN)	M.E.	Biocomputing (BIOC), Bioimaging (BIIM), Bioinstrumentation (BIOI), Biomechanics (BIOM), Biorehabilitation (BIRE)	Biomedical Engineering
Biomedical Engineering (BIEN)	Ph.D.	Bioengineering (BIOE), Functional Imaging (FUIM)	Biomedical Engineering / Medical College of Wisconsin
Chemistry (CHEM)	M.S., Ph.D.	Analytical Chemistry (ANCH), Bioanalytical Chemistry (BIAN), Biophysical Chemistry (BIPH), Chemical Physics (CHPH), Inorganic Chemistry (INCH), Organic Chemistry (ORCH), Physical Chemistry (PHCH)	Chemistry
Civil Engineering (CIEN)	M.S., Ph.D.	Construction Engineering (CNEN), Environmental and Water Resources Engineering (ENWR), Structural Engineering and Structural Mechanics (SESM), Transportation Engineering and Materials (TEMA)	Civil and Environmental Engineering
Clinical Mental Health Counseling (CMHC)	M.S.	Addiction Counseling (ADCO), Child and Adolescent Counseling (CACO)	Counselor Education and Counseling Psychology
Clinical Psychology (CLPS)	Ph.D.	*	Psychology
Clinical and Translational Rehabilitation Health Science (CTRH)	M.S., Ph.D.	*	Health Sciences
Communication (COMM)	M.A.	Communication Professions and Society (CMPS), Digital Communication Strategies (DGCS)	Communication
Communication (COMM)	Certificate	Digital Storytelling (DIST)	Communication
Computational Sciences (CMPS)	M.S., Ph.D.	*	Mathematics, Statistics and Computer Science
Computing (COMP)	M.S.	Big Data and Data Analytics (BDDA), Computing Career Change Opportunity (CCCO), Information Assurance and Cyber Defense (IACD)	Mathematics, Statistics and Computer Science
Counseling Psychology (COPS)	Ph.D.	*	Counselor Education and Counseling Psychology
Dentistry-Dental Biomaterials (DBIMA)	M.S.	*	Dentistry
Dentistry-Endodontics (DENDO)	M.S.	*	Dentistry

Dentistry-Orthodontics (DORTH)	M.S.	*	Dentistry
Dentistry-Periodontics (DPERI)	M.S.	*	Dentistry
Dentistry-Prosthodontics (DPROS)	M.S.	*	Dentistry
Educational Policy and Leadership (EDPL)	M.A.	Educational Policy and Foundations (EDPF)	Educational Policy and Leadership
Educational Policy and Leadership (EDPL)	M.Ed.	Educational Administration (EDAD), Elementary Education (ELED), Elementary Education-Teach for America (ELTA), Secondary Education (SEED), Secondary Education-Teach for America (SETA), Student Affairs in Higher Education (SAHE)	Educational Policy and Leadership
Educational Policy and Leadership (EDPL)	Certificate	Director of Instruction (DIIN), Elementary Education (ELED), Principal (PRIN), Secondary Education (SEED), Superintendent (SUPR)	Educational Policy and Leadership
Educational Policy and Leadership (EDPL)	Ph.D.	*	Educational Policy and Leadership
Electrical and Computer Engineering (EECE)	M.S., Ph.D.	*	Electrical and Computer Engineering
English (ENGL)	M.A.	British, American and other Anglophone Literatures (BRAM)	English
English (ENGL)	Ph.D.	American Literature (AMLI), British Literature (BRLI)	English
Ethically Centered Data Science (ECDS)	Certificate	*	Graduate School
Healthcare Technologies Management (HCTM)	M.S.	*	Biomedical Engineering / Medical College of Wisconsin
Health Care Data Analytics (HCDA)	M.S.	*	Graduate School
History (HIST)	M.A.	European History (EURO), United States History (USHI), Global Studies (GLST)	History
History (HIST)	Ph.D.	European History (EURO), United States History (USHI)	History
Interdisciplinary Ph.D. (INPR)	Ph.D.	*	Graduate School
International Affairs (INAF)	M.A.	*	Political Science
Languages, Literatures and Cultures (LLAC)	M.A.	Spanish (SPAN)	Languages, Literatures and Cultures
Mathematics, Statistics and Computer Science (MSCS)	M.S.	Mathematics for Secondary School Teachers (MSST)	Mathematics, Statistics and Computer Science
Mechanical Engineering (MEEN)	M.S., M.E., Ph.D.	Energy Systems (ENSY), Manufacturing and Materials Systems (MMSY), Mechanical Systems (MESY)	Mechanical Engineering
Nursing (NURS)	Post-baccalaureate Certificate	Clinical Case Management/Care Coordination (CCMC)	Nursing
Nursing (NURS)	M.S.N.	Advanced Practice Nursing: Adult-Older Adult Primary Care Nurse Practitioner (ADUL), Adult-Older Adult Acute Care Nurse Practitioner (ACCA), Adult-Older Adult Primary Care Clinical Nurse Specialist (ADCS), Dual Primary Care and Acute Care Pediatric Nurse Practitioner (PEDD), Nurse-Midwifery (MIDW), Pediatric Primary Care Nurse Practitioner (PEDI), Pediatric Acute Care Nurse Practitioner (PEDA); Clinical Nurse Leader (CLNL); Systems Leadership and Healthcare Quality (SLHQ)	Nursing
Nursing (NURS)	Post-master's Certificate	Adult-Older Adult Clinical Nurse Specialist (ADCNS), Adult-Older Adult Primary Care Nurse Practitioner (ADNP), Adult-Older Adult Acute Care Nurse Practitioner (ACNP), Family Nurse Practitioner (FANP), Nurse-Midwifery (NUMI), Pediatric Primary Care Nurse Practitioner (PEDI), Pediatric Acute Care Nurse Practitioner (PEDA), Psychiatric Mental Health Nurse Practitioner (PSMH), Systems Leadership and Healthcare Quality (SLHQ)	Nursing

Nursing (NURS)	D.N.P.	Advanced Practice Nursing: Adult-Older Adult Primary Care Nurse Practitioner (ADUL), Adult-Older Adult Acute Care Nurse Practitioner (ACCA), Dual Primary Care and Acute Care Pediatric Nurse Practitioner (PEDD), Pediatric Primary Care Nurse Practitioner (PEDI), Pediatric Acute Care Nurse Practitioner (PEDA), Nurse Anesthesia (NRAN); Systems Leadership and Healthcare Quality (SLHQ); Advanced Practice Nursing: Nurse-Midwifery (MIDW - post-Master's D.N.P. only)	Nursing
Nursing (NURS)	Ph.D.	*	Nursing
Philosophy (PHIL)	M.A.	History of Philosophy (HIPH), Social and Applied Philosophy (SOAP)	Philosophy
Philosophy (PHIL)	Ph.D.	Ancient Philosophy (ANPH), British Empiricism/Analytical Philosophy (BREM), Christian Philosophy (CHRI), Early Modern European Philosophy (MOPH), Ethics (ETHI), German Philosophy (GEPH), Medieval Philosophy (MEPH), Phenomenology-Existentialism (PHEN), Philosophy of Religion (PHRE)	Philosophy
Political Science (POSC)	M.A.	*	Political Science
Public Service (PUBS)	M.A.P.	Health Care Administration (HECA), Nonprofit Sector (NPSE)	Political Science
Religious Studies (REST)	Ph.D.	Historical Theology (HITH), Judaism and Christianity in Antiquity (JUCA), Systematic Theology (SYTH), Theological Ethics (THET), Theology and Society (THSO)	Theology
School Counseling (SCCN)	M.A.	*	Counselor Education and Counseling Psychology
Speech-Language Pathology (SPLA)	M.S.	Bilingual English-Spanish (BIES)	Speech Pathology and Audiology
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.	*	Theology
Transfusion Medicine (TRME)	M.S.T.M.	Business Administration (BUAD), Education (EDUC), Science (SCIE)	Graduate School / BloodCenter of Wisconsin

### Legend of Abbreviations for Graduate Degree Programs:

M.A.	Master of Arts	M.S.	Master of Science
M.A.C.D.	Master of Arts in Christian Doctrine	M.S.N.	Master of Science in Nursing
M.A.P.	Master of Arts in Public Service	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	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. 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.

**Dual Degree** - A formal agreement where two degrees are conferred from two institutions (or colleges/schools within a university). Some courses/credits taken at both institutions/colleges/schools apply to both degrees and two diplomas are produced, one for each degree.

**Joint Degree** - A formal agreement where one degree is conferred from two institutions (or colleges/schools within a university). Some courses/credits taken at both institutions/colleges/schools apply to the degree and both institutions/college/school are listed on a single diploma.

## Accelerated Degree Programs Offered

Program	Degrees	Program Administered By:
Biomedical Engineering (BIEN)	B.S.B.E. and M.S.	Biomedical Engineering
Chemistry (CHEM)	B.S. and M.S.	Chemistry
Civil Engineering (CIEN)	B.S.C.E. and M.S.	Civil and Environmental Engineering
Clinical and Translational Rehabilitation Health Science (CTRH)	B.S. and M.S.	Health Sciences
Communication (COMM)	B.A. and M.A.	Communication
Computing (COMP)	B.S. and M.S.	Mathematics, Statistics and Computer Science
Electrical and Computer Engineering (EECE)	B.S.E.E. and M.S.	Electrical and Computer Engineering
History (HIST)	B.A. and M.A.	History
International Affairs (INAF)	B.A. and M.A.	Political Science
Languages, Literatures and Cultures-Spanish (LLAC)	B.A. and M.A.	Languages, Literatures and Cultures
Mechanical Engineering (MEEN)	B.S.M.E. and M.S.	Mechanical Engineering
Nursing for Non-Nursing Graduates (NURS)	M.S.N.	Nursing
Philosophy (PHIL)	B.A. and M.A.	Philosophy
Political Science (POSC)	B.A. and M.A.	Political Science
Speech-Language Pathology (SPLA)	B.S. and M.S.	Speech Pathology and Audiology

## Dual Degree Programs Offered

Program	Degrees	Program Administered By:
Communication (COMM)	M.A. and M.A. (POSC or INAF)	Communication / Political Science
International Affairs (INAF)	M.A. and M.A.	Political Science / Communication
International Affairs (INAF)	M.A. and M.B.A.	Political Science / Graduate School of Management
International Affairs (INAF)	M.A. and J.D.	Political Science / Law
Nursing (NURS)	M.S.N. and M.B.A.	Nursing / Graduate School of Management
Philosophy (PHIL)	M.A. and J.D.	Philosophy / Law
Political Science (POSC)	M.A. and M.A.	Political Science / Communication
Political Science (POSC)	M.A. and M.B.A.	Political Science / Graduate School of Management
Political Science (POSC)	M.A. and J.D.	Political Science / Law

## Joint Degree Programs Offered

Program	Degree	Specializations	Program Administered By:
Bioinformatics (BIIN)	M.S.	*	Mathematics, Statistics and Computer Science / Medical College of Wisconsin
Biological Sciences (BSCI)	Ph.D.	Neuroscience (NSCI)	Biological Sciences / Biomedical Sciences
Biomedical Engineering (BIEN)	Ph.D.	Bioengineering (BIOE), Functional Imaging (FUIM)	Biomedical Engineering / Medical College of Wisconsin
Healthcare Technologies Management (HCTM)	M.S.	*	Biomedical Engineering / Medical College of Wisconsin
Transfusion Medicine (TRME)	M.S.T.M.	Business Administration (BUAD), Education (EDUC), Science (SCIE)	Graduate School / BloodCenter of Wisconsin

## LEGEND OF ABBREVIATIONS FOR Accelerated, DUAL, AND Joint DEGREE PROGRAMS:

B.A.	Bachelor of Arts	J.D.	Juris Doctor
B.S.	Bachelor of Science	M.A.	Master of Arts

B.S.B.E.	Bachelor of Science in Biomedical Engineering	M.B.A.	Master of Business Administration
B.S.C.E.	Bachelor of Science in Civil Engineering	M.S.	Master of Science
B.S.E.E.	Bachelor of Science in Electrical Engineering	M.S.N.	Master of Science in Nursing
B.S.M.E.	Bachelor of Science in Mechanical Engineering		