The University reserves the right to change its admission, registration, and graduation requirements as necessary. The course offerings and requirements of the University of Notre Dame are continually under examination and revisions are expected. This Bulletin of Information is not a contract; it merely presents the offerings and requirements in effect at the time of publication and in no way guarantees that the offerings and requirements will remain the same. Every effort will be made to provide advance information of any changes.

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Academic Calendar 2012-2013

**Fall Semester 2012**

**August**
- 21: Classes begin; Mass—formal opening of school year
- 29: Last day for course changes

**October**
- 13: Midsemester break begins
- 22: Classes resume
- 26: Last day for course discontinuance

**November**
- 1: Application deadline for admission to the Graduate School for spring semester 2013
- 9: Dissertation and thesis formatting checks due
- 12: Registration for spring semester 2013 begins
- 21: Thanksgiving holiday begins
- 26: Classes resume
- 30: Last day for master's examinations and Ph.D. dissertation defenses for graduation in January 2013

**December**
- 6: Last class day
- 7: Reading days begin; Last day for presenting completed theses and dissertations in the Graduate School office for graduation in January 2013
- 10: Final examinations begin
- 17: All grades submitted through insideND by 3:45 p.m.

**January**
- 6: January official graduation date (no ceremony)

**Spring Semester 2013**

**January**
- 15: Classes begin
- 23: Last day for course changes

**February**
- 1: Deadline for applying to the Graduate School for fall semester 2013 admission and financial aid

**March**
- 9: Midsemester break begins
- 15: Dissertation and thesis formatting checks due
- 18: Classes resume
- 20: Registration for summer session 2013 begins
- 22: Last day for course discontinuance
- 29: Easter holiday begins

**April**
- 2: Classes resume
- 12: Last day for master's examinations and Ph.D. dissertation defenses for graduation in May 2013
- 15: Registration for fall semester 2013 begins
- 19: Last day for presenting completed theses and dissertations in the Graduate School office for graduation in May 2013

**May**
- 1: Last class day
- 2: Reading days begin
- 6: Final examinations begin
- 13: All grades submitted through insideND by 3:45 p.m.
- 17: Graduate School Commencement Ceremony

**Summer Session 2013**

**June**
- 17: Classes begin
- 21: Dissertation and thesis formatting checks due

**July**
- 12: Last day for master's examinations and Ph.D. dissertation defenses for graduation in August 2013
- 19: Last day for presenting completed theses and dissertations in the Graduate School office for graduation in August 2013

**August**
- 2: Last class day
- 7: August official graduation date (no ceremony)
University Policies

Notice of Nondiscrimination
The University of Notre Dame does not discriminate on the basis of race, color, national or ethnic origin, sex, disability, veteran status, or age in the administration of any of its educational programs, admissions policies, scholarship and loan programs, athletic and other school-administered programs, or in employment.

The University has designated the director of its Office of Institutional Equity to handle all inquiries regarding its efforts to comply with and carry out its responsibilities under Title IX and under Section 504 of the Rehabilitation Act of 1973. The Title IX and Section 504 coordinator may be contacted as follows:

Director
Office of Institutional Equity
414 Grace Hall
University of Notre Dame
Notre Dame, IN 46556
(574) 631-0444

Policies on Harassment
Sexual and discriminatory harassment and harassment in general are prohibited by the University. Definitions and policies regarding all forms of harassment and other aspects of student life and behavior are described in du Lac: A Guide to Student Life (the student handbook). All policies, procedures, guidelines and codes of conduct that establish the official parameters for student life at Notre Dame are contained in this handbook. Unless otherwise noted, the policies and procedures in the handbook apply to all graduate and professional students, whether the behavior occurs on or off campus. The handbook may be obtained from the Office of Residence Life and Housing, located at 305 Main Building, and is available from the Office of Residence Life and Housing Web site at http://orlh.nd.edu.

Important Information about Campus Security and Fire Safety
The security of all members of the campus community is of paramount concern to the University of Notre Dame. The University publishes an annual report outlining security and fire safety information and crime statistics for campus. This document provides suggestions regarding crime prevention strategies and important policy information about emergency procedures, reporting of crimes, law enforcement services on campus, fire safety, and information about support services for victims of sexual assault. The brochure also contains information about the University’s policy on alcohol and other drugs, the SafeWalk program and campus shuttle service. You may view the document on the web at: http://ndsp.nd.edu/crime-information-and-clery-act/safety-brochure-clery-act.

A printed copy of this brochure is available by sending an email request to ndsp@nd.edu or by writing to: Office of the Director, University Security Police, 204 Hammes Mowbray Hall, Notre Dame, IN 46556.

For more information on campus security, please visit the Notre Dame Security Police website at http://ndsp.nd.edu/.

The Spirit of Inclusion

This statement was adopted by the Officers of the University on August 27, 1997, in conjunction with an open letter to the Notre Dame community.

The University of Notre Dame strives for a spirit of inclusion among the members of this community for distinct reasons articulated in our Christian tradition. We prize the uniqueness of all persons as God’s creatures. We welcome all people, regardless of color, gender, religion, ethnicity, sexual orientation, social or economic class, and nationality, for example, precisely because of Christ’s calling to treat others as we desire to be treated. We value gay and lesbian members of this community as we value all members of this community. We condemn harassment of any kind, and University policies proscribe it. We consciously create an environment of mutual respect, hospi-
tality and warmth in which none are strangers and all may flourish.

One of the essential tests of social justice within any Christian community is its abiding spirit of inclusion. Scriptural accounts of Jesus provide a constant witness of this inclusiveness. Jesus sought out and welcomed all people into the Kingdom of God — the gentile as well as the Jew, women as well as men, the poor as well as the wealthy, the slave as well as the free, the infirm as well as the healthy. The social teachings of the Catholic Church promote a society founded on justice and love, in which all persons possess inherent dignity as children of God. The individual and collective experiences of Christians have also provided strong warrants for the inclusion of all persons of good will in their communal living. Christians have found their life together enriched by the different qualities of their many members, and they have sought to increase this richness by welcoming others who bring additional gifts, talents and backgrounds to the community.

The spirit of inclusion at Notre Dame flows from our character as a community of scholarship, teaching, learning and service founded upon Jesus Christ. As the Word through whom all things were made, Christ is the source of the order of all creation and of the moral law which is written in our hearts. As the incarnate Word, Christ taught the law of love of God and sent the Holy Spirit that we might live lives of love and receive the gift of eternal life. For Notre Dame, Christ is the law by which all other laws are to be judged. As a Catholic institution of higher learning, in the governance of our common life we look to the teaching of Christ, which is proclaimed in Sacred Scripture and tradition, authoritatively interpreted by Church teaching, articulated in normative understandings of the human person, and continually deepened by the wisdom born of inquiry and experience. The rich heritage of the Catholic faith informs and transforms our search for truth and our understanding of contemporary challenges in higher education.

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<td>Terrence J. McGlinn</td>
<td>Wyomissing, PA</td>
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<tr>
<td>Andrew J. McKenna, J.D. (Chairman Emeritus)</td>
<td>Morton Grove, IL</td>
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<td>Newton N. Minow, J.D.</td>
<td>Chicago, IL</td>
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<td>Martin Naughton</td>
<td>Dunleer, Louth, IRL</td>
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<td>Timothy O’Meara, Ph.D.</td>
<td>Notre Dame, IN</td>
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<td>Anita M. Pampusch, Ph.D.</td>
<td>Lilydale, MN</td>
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<td>Jane C. Pfieffer</td>
<td>Vero Beach, FL</td>
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<td>Percy A. Pierre, Ph.D.</td>
<td>East Lansing, MI</td>
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Ernestine M. Raclin  
    South Bend, Indiana  
Shirley W. Ryan  
    Winnetka, Illinois  
John F. Sandner, J.D.  
    Chicago, Illinois  
John A. Schneider  
    Greenwich, Connecticut  
Rev. David T. Tyson, C.S.C., Ph.D.  
    Notre Dame, Indiana  
Arthur R. Velasquez  
    Chicago, Illinois  
    Rome, Italy  
William K. Warren Jr.  
    Tulsa, Oklahoma  
Robert J. Welsh  
    Chesterton, Indiana  
Robert K. Wilmouth  
    Chicago, Illinois
Notre Dame is the world’s pre-eminent Catholic research university, a center of learning that embraces the intellectual ferment of academic enquiry and encourages its students and faculty to address ultimate questions, relationships among religion and the academic disciplines, and ethics. Quality is the hallmark of our graduate programs, which is reflected in the selectivity of our admissions, the comparatively small size of entering classes, and the close, personal mentoring that is possible in such an environment. World-class faculty and gifted graduate students share a vision of enquiry, dedication to scholarship and teaching, and service within and without the academic community.

Distinguished faculty, financial support for research, and ongoing investment in facilities invigorate graduate study at Notre Dame. Major construction projects continue to add new campus buildings and create environments that bring faculty, graduate students, and undergraduates together in cross-disciplinary research at the highest level.

**History of the Graduate School**

Located north of the city of South Bend, Indiana, the University of Notre Dame was founded in 1842 by the Rev. Edward F. Sorin, a priest of the Congregation of Holy Cross. The state of Indiana chartered the University by a special act of the legislature. Combining the style of the French “college” and the seminary where Father Sorin and his congregational fellows studied for the priesthood, Notre Dame began as both a secondary school and a four-year college offering the baccalaureate degree in the liberal arts. It soon adapted to the style and structure of the typical nineteenth-century American university, introducing a science curriculum in 1865, the first American Catholic law school in 1869, an engineering college in 1873, a graduate program in 1918, and a college of business in 1921. The North Central Association first accredited the University in 1913. Notre Dame first began to award advanced degrees in 1918; the Graduate School was instituted in 1944. Since 1990, it has been administered by a dean and several associate deans, and the Graduate Council. It has four divisions — humanities, social sciences, science, and engineering — and includes approximately 30 departments and programs that offer master’s or doctoral degrees. There are about 10,000 undergraduates and 1,700 graduate students at Notre Dame, in addition to post-doctoral fellows, and another 1,500 in the law and business schools. Over 85% of graduate students receive some form of financial aid. They come from all fifty states and over 100 nations.

**Administration**

Administered originally by a graduate committee of faculty members, the Graduate School was organized formally in 1944 with a graduate dean and graduate council. In 1971, the newly created position of vice president for advanced studies underlined the University’s intense focus on building quality in the graduate programs. The position’s title was changed in 1990 to vice president for graduate studies and research, and several assistant and associate dean positions were created to assist the vice president. In 2007, the research office was separated from the Graduate School, and the new position of dean of the Graduate School, with exclusive responsibility for graduate studies, was created.

**The Graduate Council**

Following is the Graduate Council membership for the 2012–2013 academic year.

**Ex Officio Members**

Christine M. Mazar, Ph.D.
Acting Dean, The Graduate School; Vice President and Senior Associate Provost; Council Chair

Robert J. Bernhard, Ph.D.
Vice President for Research

Gregory P. Crawford, Ph.D.
Dean of the College of Science

Peter K. Kilpatrick, Ph.D.
Dean of the College of Engineering

Michael Lykoudis, M.Arch
Dean of the School of Architecture
The Graduate School

Elected Members

David Bennett, Ph.D.
Research Professor of Physics

Cindy Bergeman, Ph.D.
Professor of Psychology

Sunny Boyd, Ph.D.
Professor of Biological Sciences

Jeremy Fein, Ph.D.
Professor of Civil and Environmental Engineering and Earth Sciences

Gerald McKenny, Ph.D.
Professor of Theology

Appointed Members

Thomas Corke, Ph.D.
Professor of Aerospace and Mechanical Engineering

Mark Cummings, Ph.D.
Professor of Psychology

Marvin Miller, Ph.D.
Professor of Chemistry and Biochemistry

Margaret Meserve, Ph.D.
Associate Professor of History

Representatives from the Academic Council

Panos J. Antsaklis, Ph.D.
H.C. and E.A. Brosey Professor of Electrical Engineering

Laura Carlson, Ph.D.
Professor of Psychology and Associate Dean for Professional Development in the Graduate School

Margaret Doody, Ph.D.
John and Barbara Glynn Family Chair in Literature, Professor of English

Dennis Doordan, Ph.D.
Associate Dean of Research, Scholarship and Creative Work, School of Architecture

Umesh Garg, Ph.D.
Professor of Physics

Alain Toumayan, Ph.D.
Professor of French

Graduate Student Representatives

Douglas Rice
Chemistry and Biochemistry, President of the Graduate Student Union

Katherine Rueff
Physics, Co-Vice President of the Graduate Student Union

Graduate Collegiate Deans

Phillip Bess, M.Arch., M.T.S.
Director of Graduate Studies and Professor of Architectures

Richard Garnett, J.D.
Associate Dean for Faculty Research and Professor of Law

Mark McCready, Ph.D.
Senior Associate Dean for Research and Graduate Studies and Professor of Chemical and Biomolecular Engineering

Mark Schurr, Ph.D.
Associate Dean for the Social Sciences and Research and Professor of Anthropology

Richard Taylor, Ph.D.
Associate Dean For Research and Professor of Chemistry and Biochemistry

Graduate School Representatives (Non-Voting)

Brian Flaherty, MBA
Associate Director of Budget and Operations

John Lubker, Ph.D.
Associate Dean of Students

Nyrée McDonald, Ph.D.
Associate Dean for Recruitment and Admissions

Brian M. Baker, Ph.D.
Associate Dean for Academic Programs

Graduate Student Union

Through a council of elected officers, appointed committee chairs and representatives from the departments of its constituent colleges, the Graduate Student Union (GSU) provides a variety of services and represents its membership on several University councils and committees. In particular, it subsidizes graduate student travel to present original research, promotes excellence in graduate education, looks for the highest quality of life for graduate students, and maintains a liaison with the administration regarding pertinent issues. The GSU maintains a website with current events and resources for graduate students, provides listserv updates, conducts a graduate orientation program, and offers awards for outstanding teaching assistants and graduate instructors, in addition to providing various social, cultural, and intellectual activities. The GSU is the graduate students’ official liaison with
the University administration and the Office of Student Activities.

The Graduate Student Union finances its operations and Conference Presentation Grant through contributions from the Graduate School and a yearly mandatory activity fee. Graduate Students are eligible to apply for the grant if they: (1) are enrolled in the Graduate School, and (2) pay the annual fee.

The Graduate Student Union maintains offices at Room 217 in the LaFortune Student Center; send email inquiries to frahn.2@nd.edu. Telephone: (574) 631-6963, Web: http://gsu.nd.edu.

Graduate Degrees Granted

The Graduate School primarily awards master’s and doctoral degrees in the divisions of Engineering, Humanities, Science, and Social Sciences.

Master of Arts in the following fields:
  Art History, Design, and Studio Art
  Classics
  Economics
  Educational Administration
  English
  French and Francophone Studies
  History
  History and Philosophy of Science
  Iberian and Latin American Studies
  Italian Studies
  Peace Studies
  Philosophy
  Political Science
  Psychology
  Sociology
  Theology
Master of Divinity
Master of Engineering (only with J.D.)
Master of Engineering in Mechanical Engineering
Master of Fine Arts in the following fields:
  Creative Writing
  Design
  Studio Art
Master of Medieval Studies
Master of Sacred Music
Master of Science in Aerospace Engineering
Master of Science in Applied Mathematics
Master of Science in Bioengineering
Master of Science in Chemical Engineering
Master of Science in Civil Engineering
Master of Science in Computer Science and Engineering
Master of Science in Electrical Engineering
Master of Science in Environmental Engineering
Master of Science in Global Health
Master of Science in Mechanical Engineering
Master of Science in the following fields:
  Applied and Computational Mathematics and Statistics
  Biochemistry
  Biological Sciences
  Chemistry
  Geological Sciences
  Mathematics
  Physics
Master of Theological Studies
Doctor of Philosophy in the following fields:
  Aerospace and Mechanical Engineering
  Applied and Computational Mathematics and Statistics
  Biochemistry
  Bioengineering
  Biological Sciences
  Chemical and Biomolecular Engineering
  Chemistry
  Civil and Environmental Engineering and Earth Sciences
  Computer Science and Engineering
  Economics
  Electrical Engineering
  English
  History
  History and Philosophy of Science
  Literature
  Mathematics
  Medieval Studies
  Peace Studies
  Philosophy
  Physics
  Political Science
  Psychology
  Sociology
  Theology

Professional master’s degrees granted through the Graduate School include:

- Master of Education—limited to students in the Alliance for Catholic Education (ACE) program
- Master of Educational Administration—limited to students in the Alliance for Catholic Education (ACE) program
- Master of Science in Applied and Computational Mathematics and Statistics
- Master of Science in Global Health
- Master of Science in Patent Law

Areas and Fields of Study

The University of Notre Dame offers graduate programs leading to master’s and/or doctoral degrees in the following areas and fields of study.

Key:
* Master's programs only
+ Master's program and M.F.A. in studio art and design
++ M.F.A. in creative writing

Aerospace and Mechanical Engineering
Aerospace Sciences
Biomechanics, Biomaterials, and Biofluid Mechanics
Computational Mechanics
Control Systems
Flow Physics and Control
Fluid Mechanics
Manufacturing
Materials Science
Mechanical Systems and Design
Orthopaedics and Biomedical Devices
Solid Mechanics and Materials
Thermal Sciences
Tissue Engineering

Applied and Computational Mathematics and Statistics
Bioinformatics
Computational Biology
Computational Finance
Computational Mathematics
Dynamical Systems
Multiscale Modeling
Numerical Methods
Predictive Analytics
Statistics
Stochastic Processes

Art, Art History, and Design*
  Studio Art+
  Ceramics
Painting
Photography
Printmaking
Sculpture
Art History*
American
Ancient
Contemporary
Medieval
Modern European
Renaissance and Baroque
Design+
Graphic Design
Industrial Design

**Biological Sciences**
Animal Behavior
Aquatic Biology
Biochemistry
Biogeochemistry
Biototechnology
Cancer Biology
Cell and Molecular Biology
Developmental Biology
Ecology
Ecosystem Ecology
Endocrinology
Environmental Biology
Environmental Microbiology
Evolutionary Biology
Genetics and Bioinformatics
Genomics
Medical Entomology and Vector Biology
Microbial Pathogenesis
Neurobiology
Nutritional Sciences
Parasitology and Infectious Diseases
Physiology
Plant Science
Population Biology

**Chemical and Biomolecular Engineering**
Catalysis and Reaction Engineering
Cellular and Tissue Engineering
Drug Delivery
Ionic Liquids
Medical Diagnostics
Membranes
Microfluidics
Molecular Modeling
Multiphase Flow
Nanomaterials
Optimization
Polymers
Process Systems Engineering
Soft Matter
Sustainable Energy

**Chemistry and Biochemistry**
Analytical Chemistry
Biochemistry
Biophysics
Drug Design and Discovery
Energy Research
Environmental Chemistry
Inorganic Chemistry
Materials Chemistry
Molecular Medicine
Molecular and Cell Biology
Nanotechnology
Organic Chemistry
Physical/Analytical Chemistry
Radiation Chemistry
Structural Biology
Surface Science
Synthetic Chemistry
Theoretical and Computational Chemistry

**Civil and Environmental Engineering and Earth Sciences**
Actinide Material Science
Aquatic Chemistry
Bioengineering
Biological Treatment of Hazardous Waste
Computational Fluid Mechanics
Development Studies
Dynamics of Offshore Structures
Earthquake Engineering
Environmental Biotechnology
Environmental Engineering
Environmental Fluid Dynamics
Environmental Microbiology
Environmental Mineralogy
Environmental Nanoscience and Technology
Environmental Sensors
Finite Element Modeling
Fire Effects on Structures
Groundwater Hydrology
High and Low Temperature Geochemistry
Mantle Petrology
Materials Characterization and Durability
Multiphase Flows
Natural and Man-made Hazard Reduction
Paleontology
Progressive Collapse of Structural Systems

**Chemical and Biomolecular Engineering**

**Computer Science and Engineering**
Algorithms and Theory
Artificial Intelligence
Complex Networks
Computational Biology
Computer Architecture
Computer Vision
Data Mining and Machine Learning
Human Health Biometrics
Human Machine Interaction
Robotics Bioinformatics
Security and Cryptography
Software Engineering and Software Systems
Wireless, Mobile and Embedded Systems

**Economics**
Development Economics
Environmental Economics
Industrial Organization
International Economics
Labor Economics
Monetary and Macroeconomics
Public Economics

**Education***
Educational Administration
Teaching

**Electrical Engineering**
Communication Systems and Networking
Control Systems
Integrated Circuits
Nano-biotechnology
Nano-electronics
Optoelectronics
Semiconductor Materials and Devices
Signal and Image Processing
Wireless Networks
English

African American
Creative Writing++
Drama
Early American (to 1865)
Irish Studies
Latino/a Studies
Literary Theory
Middle American (from the Civil War to 1930)
Modern British
Novel
Old and Middle English
Poetry
Post 1930 American Literature
Prose Fiction
Renaissance
Restoration and 18th Century
Romantic and Victorian

Global Health*

History

Latin American History
Medieval History
Modern European History
United States History

History and Philosophy of Science

Analytic Philosophy of Science and Epistemology
History of Astronomy and Physics
History and Philosophy of Biology 1700 to 1980
History and Philosophy of Economics
History and Philosophy of Mathematics
History of the Philosophy of Science
Intellectual History of Science 1600 to 1950
Medieval Natural Philosophy and Medicine
Philosophy of Contemporary Physics
Philosophy of Mind and Neuroscience
Science and Literature
Scientific Revolution Studies
Social History of Medicine and Technology

Literature

Classics
East Asian Studies
French
German
Irish Studies
Italian
Spanish (Iberian and Latin American)
(Literatures can be studied in various combinations)

Mathematics

Algebra
Algebraic Geometry
Complex Analysis
Differential Geometry
Logic
Partial Differential Equations
Mathematics in Science, Engineering, and Economics
Topology

Medieval Studies

Art History
History
Language and Literatures
Manuscript Studies
Music
Philosophy
Theology

Patent Law*

Peacé Studies

Peace Studies and History
Peace Studies and Political Science
Peace Studies and Psychology
Peace Studies and Sociology
Peace Studies and Theology

Philosophy

Ancient Philosophy
Contemporary European Philosophy
Epistemology
Ethics
Logic
Medieval Philosophy
Metaphysics
Modern Philosophy
Philosophy of Language
Philosophy of Mathematics
Philosophy of Mind
Philosophy of Religion
Philosophy of Science
Political Philosophy

Physics

Astrophysics
Atomic Physics
Biophysics
Condensed Matter Physics
Elementary Particle Physics

Political Science

American Politics
Comparative Politics
Constitutional Studies
International Relations
Political Theory

Psychology

Cognition, Brain, and Behavior
Clinical Psychology
Developmental Psychology
Quantitative Psychology

Romance Languages and Literatures*

(See Literature for Ph.D. program)
Comparative Literatures
French and Francophone Studies—Middle Ages, Renaissance, 17th-century Classical, 18th-century Enlightenment, 19th Century, 20th Century
Italian Studies—Italian Literature:
Medieval, Renaissance, Modern;
Art History; Architectural History;
Film Studies; Translation; History;
Philosophy; Music
Iberian and Latin American Studies—Medieval, Golden Age, Colonial
Spanish-American, Modern Spanish
Peninsular, Modern Spanish-American Periods; Gender Studies

Sacred Music*

Choral-Vocal Concentration
Organ Concentration

Sociology

Cultural Sociology
Education
Political Sociology
Religion
Social Psychology
Social Movements
Social Stratification
Theory

Theology

Biblical Studies*
Christianity and Judaism in Antiquity—Hebrew Bible and Judaica,
New Testament and Early Church
Early Christian Studies*
History of Christianity—Early Church, Medieval Studies, Reformation Studies, Modern Studies
Liturgical Studies
Moral Theology/Christian Ethics
Systematic Theology
Professional Studies*
(Master of Divinity Program)
Theological Studies*

ACADEMIC REGULATIONS

Please note:

The following information represents the minimum standards established by the Graduate School. Individual departments may require higher standards. Students are expected to be fully cognizant of their department's requirements.

No exceptions to the following policies and procedures will be valid without the formal written approval of the Graduate School.

Admission to the Graduate School

Degree Applicants

Applicants for admission to a degree program in the Graduate School must hold a bachelor's degree or its equivalent from an accredited American college or university or from a foreign institution of acceptable standing by the time of graduate matriculation. If at that time an admitted applicant does not hold a bachelor's degree, the Graduate School admission is void.

The applicant should have earned at least a B average (3.0 on a 4.0 G.P.A. scale) in her or his undergraduate major courses and should meet the level of academic achievement that implies a developed ability for advanced study and independent scholarship.

An applicant may seek admission to degree-seeking status in either a master's or doctoral program, or to non-degree status.

Admission to a graduate degree program is not equivalent to admission to candidacy for the degree. It should also be noted that admission to the master's program does not mean admission to the associated doctoral program upon completion of the master's program. A separate decision is required for admission into the doctoral program.

Admission to Multiple Degrees

Students seeking admission to more than one program (whether they intend to enroll in only one or both programs) must submit separate applications for each program and be accepted by each. Admission to one program does not guarantee admission to another program. Applicants may seek admission to two programs prior to enrolling, or apply to an additional program after they have begun an initial program. It is possible for a student to enroll in two master's degree programs, a master's degree program and a Ph.D., or a program in the Graduate School and a professional degree in one of the other colleges or schools in the University. The Graduate School does not allow students to enroll in two Notre Dame doctoral programs simultaneously.

The Graduate School will consider only applicants whose past academic performance indicates the potential for success in each of the programs. No more than nine credit hours of classes from any one master's degree may be counted toward any other graduate degree.

Admission to Joint Degree Programs

It is possible for a student to pursue a program of study combining two programs and leading to a joint degree. An applicant who seeks to earn a joint degree, either master's or Ph.D., must submit a separate and complete application to each program and be accepted by both. The relevant departments must agree upon a plan of study defining what will constitute the joint degree program, and the approved written plan must be on file with the Graduate School before the student may begin the program.
Application Requirements

An applicant for admission to a degree program must complete all of the following:

1. Complete and electronically submit the online application
2. Submit a statement of intent through the online application system
3. Submit a curriculum vitae or résumé through the online application system
4. Arrange for three (3) letters of recommendation to be submitted through the online recommendation system associated with the online application
5. Submit unofficial transcripts from each post-secondary institution through the online application
6. Submit writing samples, if required by the department, through the online application system
7. Submit the application fee by credit card, check, or money order using the payment system associated with the online application
8. Arrange for the submission of official Graduate Record Examination (GRE) General Test scores
9. Arrange for the submission of official GRE Subject Test scores if required by the program
10. Arrange for submission of official Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS) scores if the applicant’s native language or language of college instruction is not English

The online application may be accessed through the Graduate School’s website at http://graduateschool.nd.edu. Students who have preliminary test scores are encouraged to upload them to the application to expedite the review process.

Students seeking admission to more than one program must submit separate applications for each program. Only one application fee is necessary.

The application fee must accompany the application. This fee is non-refundable, and may be paid by check, money order, or credit card (see online application for the current application fee).

Application deadlines range from December 1 to February 1 for admission to the fall semester. Applicants may visit the Graduate School’s website to determine the deadline for individual programs. Unless otherwise specified, the application deadline for spring admission is November 1, though some departments have earlier deadlines. Applicants may visit the Graduate School’s website to determine the deadline for individual programs.

Beyond these Graduate School admission requirements for all graduate departments and programs, particular programs may require personal interviews and/or submission of special materials such as writing samples or portfolios. Applicants should consult the individual department or program to learn about additional requirements and submission procedures.

Academic Regulations

Non-Degree Applicants

An applicant for admission to a non-degree program must complete all of the following:

1. Complete and electronically submit the online application
2. Submit a statement of intent through the online application system
3. Submit a curriculum vitae or résumé through the online application system
4. Submit unofficial transcripts from each post-secondary institution through the online application

The Test of English as a Foreign Language (TOEFL) and the International English Language Testing System (IELTS) are offered several times each year at sites in the United States and abroad. Foreign students, except those noted above, must submit TOEFL or IELTS scores as part of their application to demonstrate a sufficient command of English to meet the requirements of their field. If not available locally, the annual schedules and other information about the TOEFL can be obtained online at http://www.toefl.org or from Educational Testing Service (ETS), TOEFL, Box 6151, Princeton, NJ 08541-6151, USA. If you need to call about the TOEFL, telephone the Educational Testing Service at (609) 771-7100. Information on the IELTS can be obtained online at http://ielts.org.

The Graduate Record Examination (GRE) is offered at sites in the United States and abroad. The annual schedules and other information about the GRE can be obtained online at http://www.gre.org or from Educational Testing Service (ETS), Graduate Record Examination, Box 6000, Princeton, NJ 08541-6000, USA. If you need to call about the GRE, telephone the Educational Testing Service at (609) 771-7670.
A non-degree applicant may seek admission as a departmental non-degree student or as an unclassified student in the Graduate School. A graduate student who is dismissed from his or her program of study for academic reasons cannot be admitted as a non-degree student.

A departmental non-degree student is one who has been admitted to a program but does not seek an advanced degree from the University. An applicant with degree intent who lacks one or more admission requirements may be admitted temporarily to this non-degree status at the discretion of the program and with the approval of the associate dean of recruitment and admissions. The student may register for one to 15 credit hours in any graduate courses for which he or she meets the course prerequisites. However, no student initially admitted to non-degree status will be admitted to degree status until all admission requirements have been satisfied. No more than 12 credit hours earned by a student while in non-degree status may be counted toward a degree program. Admission as an unclassified non-degree student does not guarantee later admission as a degree-seeking student.

A research visitor is normally a degree-seeking student in another university who comes to Notre Dame to conduct research with a faculty member, but does not register or enroll in any courses at Notre Dame. The researcher is not a student at Notre Dame, and is therefore not required to apply to the Graduate School for admission. The appointment process is completed at the request of the program in which the supervising faculty member is appointed. Research visitors may receive a stipend, but are not eligible for benefits.

An auditor is a non-degree student who meets the course prerequisites but receives no academic credit. With the permission of the instructor and the program chair, a degree-seeking student may also audit courses. Audited courses may be recorded on a student’s permanent record only if the student submits the proper request form and if he or she attends the course throughout the entire semester. A recorded audit is graded V. Incomplete audits are not recorded. The audit grade of V cannot be changed to a grade with credit.

In the academic year, full-time graduate students may audit courses without charge. Part-time graduate students who audit courses will be charged the normal audit fee of one-half the current credit hour fee.

In the summer session, there is no free audited course. Any course taken or audited in the summer session will be charged the full price.

Acceptance

Official acceptance to programs in the Graduate School is granted only by the Graduate School. Applicants will be informed officially of the decision on their application by the Graduate School, through the online application system.

Applicants who intend to accept offers of admission are required to confirm their acceptance by returning the appropriately completed enrollment form through the online application system.

Council of Graduate Schools Policy on Accepted Offers of Admission

In accordance with a resolution passed by the Council of Graduate Schools in the United States, the following policy is in effect:

By accepting an offer of financial aid (such as a graduate scholarship, fellowship, traineeship, or assistantship) for the next academic year, the enrolled or prospective graduate student completes an agreement that both the student and graduate school expect to honor. When a student accepts an offer before April 15 and subsequently desires to withdraw, the student may submit a written resignation for the appointment at any time through April 15. However, an acceptance given or left in force after April 15
During the academic year, students who are enrolled in summer-only degree programs are considered full-time if they register for a course in the fall or spring semester.

\section{Residency and Non-Residency Status}

Residency status is determined by a student’s continual presence or non-presence on campus. If a student is on campus a majority of the days of a week or a majority of weeks per month, he or she will be considered in residence. If a student is not present on campus in this fashion, he or she will be considered a non-resident student. With the exception of library privileges, a student classified as a non-resident cannot use University services, such as meal plans, student housing, and athletic facilities. Resident status is initiated by the student when registering and verified by their program of study.

\section{Continuous Registration}

To maintain their student status, all students must satisfy the continuous registration requirement by both registering for a graduate-level course relevant to the student’s program and completing the ND Roll Call process. A student who is pursuing degrees in the Graduate School and in another school in the University concurrently meets the continuous enrollment requirement by registering in either program. Any exception to this rule, including a leave of absence, must be approved by the Graduate School.

Degree students who have completed the coursework requirement for their degree must register for at least nine credit hours per semester, including the final semester or summer session in which they receive their degree. These credit hours should consist of either resident or non-resident thesis or dissertation research within their department. Students registered for nine credit hours may be considered full-time students whether or not they are in residence. Students not in residence and taking nine credit hours pursuant to continuous enrollment requirements are charged a special registration fee.

Continuing students (i.e., degree-seeking students who are eligible to continue their studies in the fall semester) may have access to University facilities and services from May through August without completing the ND Roll Call process and registering for academic credit in the summer session.

\section{Summer Registration Requirements}

Continuing students, i.e., degree-seeking students who are eligible to continue their studies in the fall semester, who are not receiving an academic stipend during the summer months may have access to University facilities and services from May through August without registering for academic credit or completing the ND Roll Call process in the summer session. Students who are enrolled full-time during the academic year are considered full-time in the summer.

Graduate students receiving a summer stipend and conducting independent research must register for their program’s zero-credit “Independent Summer Research” section. Registering for this course will ensure proper classification for tax purposes. Only those students both actively engaged in research and receiving a stipend are eligible for this course. The sections of this course will be coded to run through the entire summer term in order to align with each of the summer pay periods.
Semester of Graduation
Degree students must register and complete the ND Roll Call process during the semester in which they plan to graduate, including the summer session.

Maximal Registration
During each semester of the academic year, a graduate student should not register for more than 15 credit hours of graduate courses, i.e., 60000 through 90000-level courses.

In the summer session, a graduate student should not register for more than 10 credit hours.

Audited courses not taken for a grade do count toward the maximal credit hour limit.

Courses
Course Numbers
Courses numbered 60000 and above are typically taken by graduate students. Qualified advanced undergraduates may be admitted to these classes with the permission of the instructor and the approval of the chair.

Courses numbered 70000 and above are advanced graduate courses open only to students who have completed the prerequisites.

It is the expectation of the Graduate School that all full-time graduate students enroll in graduate-level coursework. Therefore, full-time students are expected to register for at least 3 hours of credit at the 60000 level or higher every semester that they are enrolled, except with the permission of the associate dean of students in the Graduate School.

The advanced undergraduate courses numbered 40000 – 59999 may, with the approval of the program chair or the director of graduate studies and the Graduate School, be taken to satisfy up to six hours of graduate credit requirements. Grades in these courses will count towards the student’s G.P.A. Programs may place additional constraints on the use of 40000 – 59999 level courses to meet their degree requirements.

For purposes of progress within a graduate department or program of study or admission to degree candidacy, no graduate credit is allowed for courses below the 40000 level.

Add/Drop Policy
A student may add courses through the first six class days of the semester. A student may add courses after this time only on the recommendation of the program and with the approval of the Graduate School.

A student may drop courses at his or her discretion through the first six class days of the fall or spring semester. To drop a course after this period and up to the last day for course discontinuance (see the Graduate School calendar for the exact date), requires the approval of the chair or the director of graduate studies of the program offering the course, the student’s adviser, and the Graduate School. A course may be dropped after the last day for course discontinuance only in cases of serious physical or mental illness incurred by the student or an immediate family member of that student. Courses dropped after this period will be posted on the student’s permanent record with the grade of W.

A course taken for credit can be changed to an audit course after the last day for course discontinuance only in cases of serious physical or mental illness.

Grades
Listed below are graduate grades and the corresponding number of quality points per credit hour. It is the expectation of the Graduate School that all courses taken at the graduate level will be graded by the level of the course, not by the status of the enrolled student.

<table>
<thead>
<tr>
<th>Grade</th>
<th>Quality Points/Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.000</td>
</tr>
<tr>
<td>A-</td>
<td>3.667</td>
</tr>
<tr>
<td>B+</td>
<td>3.333</td>
</tr>
<tr>
<td>B</td>
<td>3.000</td>
</tr>
<tr>
<td>B-</td>
<td>2.667</td>
</tr>
<tr>
<td>C+</td>
<td>2.333</td>
</tr>
<tr>
<td>C</td>
<td>2.000</td>
</tr>
<tr>
<td>C-</td>
<td>1.667</td>
</tr>
<tr>
<td>D</td>
<td>1.000</td>
</tr>
<tr>
<td>F</td>
<td>0.000</td>
</tr>
<tr>
<td>I</td>
<td>0.000 (until Incomplete is removed)</td>
</tr>
<tr>
<td>NR</td>
<td>Not reported</td>
</tr>
<tr>
<td>S</td>
<td>Satisfactory</td>
</tr>
<tr>
<td>U</td>
<td>Unsatisfactory</td>
</tr>
<tr>
<td>V</td>
<td>Auditor</td>
</tr>
<tr>
<td>W</td>
<td>Discontinued with permission</td>
</tr>
</tbody>
</table>

Grades of C- and D are awarded in the Graduate School and are used to calculate both semester and cumulative G.P.A.; however, they will not be accepted for completion of graduate degree requirements, specific required coursework, and/or total credit hours for completion of coursework. If a student receives lower than a grade of C in a required course, he or she must either retake the same course or its equivalent as determined by the program to fulfill the degree requirement.

Under exceptional circumstances, a student receives the temporary grade of I when he or she has not com-
completed the requirements for a 60000 or higher-level graduate course within the semester or summer session. No grade of I can be given for courses below the 60000 level or to graduating students in the final semester or final summer session of a terminal degree program.

The grades of S and U (Satisfactory and Unsatisfactory) are used in courses without semester credit hours, as well as in research courses, departmental seminars, colloquia, workshops, directed studies, field education, and skills courses. These courses, if given the grade of S, do figure in a student’s earned semester credit-hour total but do not figure in the computation of the G.P.A. No credit is given for a grade of U.

The grade of V (Auditor) does not have quality-points attached to it. It is the only grade available to the registered auditor. The audit must be requested before the sixth class day of the semester. The audited class is made part of the student’s permanent record, and the auditor should attend the course throughout the entire semester. The grade of V cannot be changed to a credit-earning grade. Normally, graduate students are limited to auditing a maximum of two courses per semester.

The grade of W (discontinued with permission) is given for a course that a student is allowed to drop after the mid semester point. Approval of the grade of W is granted by the associate dean of students in the Graduate School.

Incomplete Coursework
Students should complete the work of graduate courses at the 60000-90000 level during the regular academic term in which they are taken. This expectation of students should also guide faculty members who teach graduate courses. That is, faculty are obligated to evaluate and grade graduate work by the end of the term in which the course is offered.

A grade of “Incomplete” (I) should be given only in exceptional circumstances when there are compelling reasons. When a student receives a grade of I, he or she has 30 days from when grades were due (for the semester in which the I was given) to complete the coursework for a grade. If the coursework is not completed by this date, the grade of I will be changed permanently to a grade of F. Extensions for Incompletes require formal approval from the associate dean of students in the Graduate School.

Grade Point Average
Quality point values are used to compute the student’s G.P.A. The G.P.A. is the ratio of accumulated earned quality points to the accumulated attempted graded semester credit hours. Only courses taken at Notre Dame count towards a student’s G.P.A.

Continuation in a graduate degree program, admission to degree candidacy, and graduation require maintenance of at least a 3.0 (B) cumulative grade point average (G.P.A.).

An adequate G.P.A. is only one factor taken into consideration in determining a student’s qualifications for an advanced degree. Degree students should be aware of their program’s performance criteria. The program and the Graduate School annually evaluate each graduate student’s overall performance on the basis of these criteria.

Transfer Credits
A program may accept coursework completed at another accredited university toward meeting its degree requirements. A student may transfer credits earned at another accredited university only if: (1) the student has degree-seeking status at Notre Dame;

(2) the courses taken are graduate courses appropriate to the Notre Dame graduate program, and the student had graduate student status when he or she took these courses; (3) the courses were completed within a five-year period prior to admission to a graduate degree program at Notre Dame, or while enrolled in a graduate degree program at Notre Dame; (4) grades of B (3.0 on 4.0 scale) or better were achieved; and (5) the transfer is recommended by the program and approved by the Graduate School.

These five requirements also apply to the transfer of credits earned in another graduate program at Notre Dame.

A student transferring from an unfinished master’s program may not transfer more than six semester credit hours into either a Notre Dame master’s or Ph.D. program.

If the student has completed a master’s or Ph.D. program, he or she may transfer up to nine semester credit hours to a Notre Dame master’s program and up to 24 semester-credit hours to a Notre Dame Ph.D. program.

Grades for transferred courses are not included in the student’s Notre Dame G.P.A.

With advanced approval from the graduate program of study, a Notre Dame undergraduate who is registered for graduate courses at Notre Dame may use this coursework to meet graduate program requirements. These credits cannot be used to satisfy both undergraduate and graduate degree requirements.
Graduate Student Status

Access to Computing Services
The University of Notre Dame NetID accounts and related services are intended for faculty, staff, and currently registered students. A student who fails to register and complete the ND Roll Call process by the date announced by the Registrar will forfeit the right to access his or her NetID account and related services. University computing resources supplied by way of the NetID are normally available to a student for up to 60 days after his or her graduation date. A student granted a leave-of-absence would normally retain access to University computing services for up to two semesters. A student who is separated from the University due to an academic suspension, academic dismissal, or withdrawal will no longer have access to University computing services, unless an extension has been approved by the dean of his or her college. A student attending Notre Dame for the summer only, with a non-degree seeking status, will normally retain access to University computing service for up to 60 days after the August graduation date. A student who is separated from the University for other reasons will no longer have access to University computing services.

Leave of Absence
For exceptional reasons and on the recommendation of the program, a student in good academic standing may request a leave of absence for a maximum of two consecutive semesters. A request for a leave of absence must be made before the semester in which the leave is taken, and all leaves of absence must be approved by the Graduate School. If, for some urgent reason, a student is allowed to leave the University after the beginning of the semester, the withdrawal procedure must be followed. If the student does not return at the end of the leave of absence period, he or she is no longer considered a student at Notre Dame and must apply for readmission if he or she wishes to complete the program.

In the case of a medical leave of absence, clearance from the University Health Center or University Counseling Center is required prior to readmission.

Medical Separation from Academic Duties
Students enrolled in the Notre Dame Graduate School who wish to temporarily interrupt their programs for medical reasons must make an official request to the Graduate School. Students are eligible under this policy if they have a “serious medical condition.” For purposes of this policy, “serious medical condition” means a medical condition that (1) requires multiple-day hospitalization OR (2) renders the student unable to engage in coursework and all other Graduate School-related duties for a period of at least ten (10) calendar days. Written certification by a physician that the student has a serious medical condition as defined in this policy must be submitted to the Graduate School as soon as the need is foreseen (for emergency requests). In situations involving childbirth or adoption, see the Childbirth and Adoption Accommodation Policy. In all cases, regardless of the nature of the medical condition, the duration of the separation will be as certified by the physician up to a maximum of six weeks. Students may utilize this medical separation policy two non-consecutive times during their graduate studies. Should students need more than six weeks at any one time, they must withdraw from the University. Leaves of absence for one semester or more for medical or other reasons are governed by the Graduate School.

Childbirth and Adoption Accommodation Policy
The childbirth and adoption accommodation policy is intended to assist graduate students who are new parents. Unlike the medical separation policy that covers any medical condition, this accommodation policy addresses a single set of circumstances: new parenthood. It is not a leave of absence; it is an accommodation. Students maintain their standing as students, are provided relief from full-time responsibilities and academic deadlines for up to one semester, and are eligible for financial support.

Programs are encouraged to work out specific arrangements with students, on a case-by-case basis, within the broad framework of this policy.

For the full text of this policy, see the appendix.

Withdrawal from the Program
To withdraw from the University before the end of the semester, a student must inform the program and the Graduate School, and complete the Registrar’s Separation from the University Form.

Upon approval of the withdrawal, grades of W are only given when a student withdraws after the mid-semester course discontinuance deadline has passed. If a student withdraws before this deadline, the courses in which the student was registered will not be recorded. If a student drops out of the University without following the procedure described above, a grade of F is recorded for each course.

To re-enter a program, the student must apply for re-admission. The credit for any course or examination
will be forfeited if the student interrupts his or her program of study for five years or more.

The University reserves the right to require the withdrawal of any student when academic performance, health status, or general conduct may be judged clearly detrimental to the best interests of either the student or the University community.

Assessment of Student Progress

All students should receive written feedback annually. This may come from the adviser, the area coordinator (or faculty member responsible for the area in which the student is working), or the director of graduate studies.

If an adviser has serious concerns about a student’s academic performance or progress to degree, he or she should communicate this to the student in written form. This should be copied or forwarded to the director of graduate studies. If the adviser’s recommendation calls into question the student’s suitability for the program, the director of graduate studies will issue a warning letter to the student that specifies the concerns and the steps necessary to correct the situation, as well as the consequences of continued substandard academic performance. If the student’s adviser happens to be the director of graduate studies, this letter will be then initiated by the chair of the department. The warning letter should specify a specific date when the student’s progress will be re-evaluated. A copy of the warning letter should be sent to the associate dean of students in the Graduate School.

If the student does not meet the stipulations outlined in the warning letter within the timeframe specified, the student will be either put on probation or dismissed from his or her program of study.

Graduate Student Status Designations

There are two status designations available to graduate students: in good standing and on probation. A graduate student can only have one designation, per program, at any given time.

In Good Standing

Graduate students who are enrolled and making satisfactory progress in their program of study are considered in good standing.

On Probation

A student who does not meet the stipulations within the timeframe outlined in the warning letter may be placed on probation. On probation status is intended to offer a student a final opportunity to correct deficiencies in his or her academic progress. Normally, a student will be on probation one or, at most, two semesters.

A student on probation must complete the stipulations outlined in the probation letter within the timeframe outlined or will be dismissed from his or her program of study.

Students on probation are ineligible for financial support from the Graduate School (stipend, full tuition, health subsidy, and professional development funds) except for a tuition scholarship that covers eight of the nine credit hours required to maintain full-time status. While on probation, if a student does meet the stipulations within the timeframe outlined in the probation letter, as decided by the program, the student will return to in good standing status the next semester of enrollment.

Probation Initiated by the Graduate School

In addition to the probation letter initiated by the student’s program of study, there are three ways in which a student may be placed on probation by the Graduate School. These are:

1. A cumulative grade point average below 3.0 in any two semesters;
2. A failure to pass candidacy exams by the end of the eighth semester;
3. Earning a U in research for two consecutive semesters.

Students who are placed on probation by the Graduate School will receive an official letter from the associate dean of students in the Graduate School that informs them of their status change.

Dismissal of a Student

Failure of a student to meet the stipulations within the timeframe outlined in either the warning letter or the probation letter may lead to dismissal from the program.

A student can be immediately dismissed from his or her program of study for the following reasons without a warning letter or a period of probationary status.

Extreme Under-performance: This dismissal will be applied to a student whose performance is deemed wholly unacceptable by the student’s adviser, director of graduate studies, or program faculty. A G.P.A. below 2.5 in any single semester, or below 3.0 for two consecutive semesters; three consecutive U grades in research are examples of extreme underperformance.

Inability to Secure a Laboratory/Adviser: In some cases, a student may not be able to secure a laboratory and/or adviser. Normally, the student will be given funding for the remainder of the semester in which the student has registered. If the student and the director of graduate studies are unable to find an
appeal procedures of the program in

Threat to Health and/or Safety: In rare circumstances, continued enrollment of a graduate student may constitute a serious disruption of the residential community or the academic environment. A student may be dismissed if: (a) The student poses a direct threat to the health or safety of himself or herself or others, or has seriously disrupted others in the student's residential community or academic environment; or (b) the student's behavior or threatening state is determined to be the result of a medical condition, or the student refuses to cooperate with efforts deemed necessary by the University Health Services and/or the University Counseling Center to evaluate the cause of the student's behavior or threatening state. In some circumstances, the level of care and accommodation recommended may exceed the resources or appropriate staffing capabilities of the University or may be beyond the standard of care that University Health Services can be expected to provide or monitor.

The Graduate School is responsible for monitoring and assessing the academic progress of its students. However, there are other reasons for which a student can be disciplined, up to immediate dismissal from his or her program of study. For more details on these policies, please consult du Lac.

Students will be notified in writing, by the director of graduate studies, of the decision to dismiss them from their program of study for academic reasons. This notification will also be sent to the associate dean of students. The student may appeal the decision per the grievance and appeal procedures.

Grievance and Appeal Procedures

Students follow the grievance and appeal procedures of the program in which they are studying. Appeals beyond the program are made directly to the dean of the Graduate School.

The purpose of this procedure is to afford graduate students at Notre Dame the opportunity to resolve complaints dealing with academic issues such as dismissal from graduate standing, placement on probationary status, denial of readmission to the same program (if the student was previously in good standing), and other program decisions that terminate or impede progress toward the degree.

This procedure is not to be used to address issues of sexual or discriminatory harassment (see grievance procedure available through the Office of Institutional Equity), of academic fraud (see the 'Academic Integrity' section of the Graduate School Bulletin of Information), or for disability-related grievances (see grievance procedure available through the Office of Disability Services).

Program Resolution Process

Conflicts should be resolved at the lowest level, i.e., within the student’s program, according to grievance procedures specified in the program’s graduate student guide. Programs are required to develop a formal grievance procedure approved by the Graduate School.

For complaints originating in the student’s program, the student must first attempt resolution within the program by following the program’s grievance procedure. If a mutually satisfactory resolution cannot be reached at the program level, the complaint may be brought to the Graduate School.

Formal Appeal Procedure to the Dean of the Graduate School

Complaints must be initiated by a written statement from the student to the associate dean of students in the Graduate School, indicating the nature of the problem, the date(s) the problem occurred, the grounds upon which the appeal is based, background information that the student considers important and the relief requested. The associate dean will request from the department chair (or chair of the program’s appeal committee) a description of the results of the program’s resolution process.

Grounds for formal appeal include procedural error, violation of official policy by academic or administrative personnel, or special mitigating circumstances beyond the student’s control that were not properly taken into account in a decision affecting the student’s academic progress.

The complaint must be sent to the Graduate School’s associate dean of students within 30 calendar days of the department’s resolution. The associate dean will then convene a meeting of an ad hoc academic appeals committee, composed of three faculty members chosen by the associate dean, two of whom will be current members of the Graduate Council (one from the student’s college and one from outside the student’s college) and one of whom will be from the student’s college but not a member of the Graduate Council. The committee will also include one non-voting graduate student. This student may either be one of the current Graduate Student Union representatives to the Graduate Council or a substitute from the appellant’s college selected by the associate dean from a pool of students identified by the Graduate Student Union. The committee will be chaired by the associate dean, who does not vote. At the student’s request or by request of the committee, the appeals committee will also meet with the student. The committee may also meet with other individuals involved.
Academic Integrity

Integrity in scholarship and research is an essential characteristic of the academic life and social structure in the University. Any activity that compromises the pursuit of truth and the advancement of knowledge besmirches the intellectual effort and may undermine confidence in the academic enterprise. A commitment to honesty is expected in all academic endeavors, and this should be continuously emphasized to students, research assistants, associates, and colleagues by mentors and academic leaders.

Violation of integrity in research/scholarship includes, but is not limited to: plagiarism; deliberate fabrication or falsification in proposing, performing, or reporting research; or other deliberate misrepresentation in proposing, conducting, reporting, or reviewing research. Misconduct in research/scholarship does not include errors of judgment; errors in recording, selection, or analysis of data; differences in opinions involving interpretation; or conduct unrelated to the research process. Misconduct includes practices that materially and adversely affect the integrity of scholarship and research.

Plagiarism is a form of misconduct. A person’s words and ideas are his or her own; they belong to the individual and should be considered the individual’s property. Those who appropriate the words and/or ideas of another, and who attempt to present them as their own without proper acknowledgement of the source, whether intentional or not, are committing plagiarism or intellectual theft. It is assumed that all work submitted by a student represents the student’s own ideas and work. Verbatim copying, paraphrasing, adapting or summarizing the work of another, regardless of the source – whether books, journals, periodicals, websites, or other forms of media – must be properly cited. Any representation of the work of another that is not properly referenced is considered to be plagiarism. Ignorance of what constitutes plagiarism is not a defense to an allegation of a violation of the academic integrity policy. It is the responsibility of students to familiarize themselves with this definition of plagiarism and to learn proper citation techniques.

Any person who has reason to believe that a violation of this policy has occurred shall discuss it on a confidential basis with the department chair or director of the appropriate institute. If a perceived conflict of interest exists between the chair/director and the accused, the next highest academic officer shall be notified of the charge. The chair/director shall evaluate the allegation promptly. If it is determined that there is no substantial basis for the charge, then the matter may be dismissed with the fact of dismissal being made known to the complainant and to the accused if he or she is aware of the accusation. A written summary of charges, findings, and actions shall be forwarded to the dean of the Graduate School as a matter of documentation. Otherwise, the chair will select an impartial panel consisting of three members, one of whom may be a graduate student, to investigate the matter. The chair will inform the accused of the charges. The panel will determine initially whether to proceed directly to a hearing to further investigate the case, or to dismiss the charges. If the panel decides to proceed directly to a hearing, the hearing will be held within 10 business days (during normal University operations) of the original notification. If the panel decides that further investigation is necessary, it shall immediately notify the chair. If it decides that a hearing is not warranted, all information gathered for this investigation will be destroyed. The utmost care will be taken to minimize any negative consequence to the accused.

The accused party must be given the opportunity to respond to any and all allegations and supporting evidence at the hearing. The response will be made to the appointed panel. The panel will make a final judgment, recommend appropriate disciplinary action, and report to the chair in writing. The report will include all of the pertinent documentation and will be presented within 30 business days (during normal University operations) after meeting with the accused. Copies of the report are to be made available to the accused, the chair, and the dean of the Graduate School. If a violation is judged to have occurred, this might be grounds for dismissal from the University; research/scholarship violations might be reported to the sponsor of the research effort (e.g., NSF, NIH, Lilly Foundation, etc.), if appropriate.

If the student chooses to appeal, he or she must address the appeal in writing to the dean of the Graduate School within 10 days. The student has the right to appear before the dean or his
or her delegate. The dean may decide to appoint an ad hoc committee to handle the appeal, if deemed necessary.

Violations of academic integrity by individuals who are not students are governed by different rules; students who are working on externally sponsored programs may also be covered by sponsor-mandated rules. Contact the Office of Research’s director of research compliance for further information.

The penalty for a student who admits wrongdoing should be determined by the graduate committee of the student’s department or program. Any student who is found in violation of integrity in research and/or scholarship can be dismissed from the University.

Falsification of Academic Credentials

A student who has been admitted to a graduate degree program based in part upon a previously earned academic degree and is found to have intentionally misrepresented this information will be immediately dismissed from his or her program of study and will be barred from future graduate work at the university.

A current student or a student who has recently left the university without completing a degree who then claims to have earned said degree will be immediately dismissed from the program of study (if applicable) and barred from future graduate work at the university.

Degree Requirements

The Master’s Degree

The goal of the University master’s programs is to address all aspects of a student’s development as he or she transitions from a student to a professional. To this end, the Graduate School expects that the student will become knowledgeable of the broad scope of the discipline. The student should also have the capacity to think through ethical issues raised by their coursework and/or research, and to weigh important implications within value systems. Finally, students should be professionally prepared so that when they assume their careers, they can do so with confidence. These goals should be reflected in the requirements for the degree.

In addition to the following Graduate School requirements, individual programs may have higher standards. Students are expected to know their program requirements.

Credit Hours

At least thirty (30) credit hours are required for the master’s degree. Some programs may require more. These credit hours are earned through a combination of coursework and/or research.

Residency

The minimum residency requirement for the master’s degree is registration at full-time status for one semester during the academic year, or for one summer session.

Foreign Language Requirement

The Graduate School does not require foreign language reading proficiency for the master’s degree. However, some programs do have this requirement. Students should consult their programs concerning this requirement.

Time Limits

All requirements for the master’s degree must be completed within five years.

A master’s program that is pursued during the summer and the academic year must also be completed within five years.

A student attending summer session only must complete all requirements within seven years.

Thesis Directors

Each student is assigned an adviser from the time of enrollment. This may initially be the director of graduate studies, but an individual adviser or thesis director will be chosen as soon as practicable, following the department’s policies.

Advisers and thesis directors are normally chosen from the teaching and research faculty of the student’s department. There also may be one co-director chosen from the faculty outside (or within) the student’s department. In exceptional cases, a student may choose a thesis director from the Notre Dame teaching and research faculty outside the department. Arrangements for extra-departmental directors or co-directors must be consistent with departmental policies and must be approved by the department.

Comprehensive Examination

By the end of the term following completion of the coursework required by the program, the degree candidate must have taken an oral and/or written master’s examination demonstrating mastery in his or her field. Failure in either one or both parts of the examination results in automatic forfeiture of degree eligibility, unless the program recommends a retake. If a retake is recommended, it must be completed by the end of the following semester. The Graduate School allows only one retake of the master’s examination.

Some programs have an equivalent requirement in lieu of the master’s ex-
amination. Students are advised to be cognizant of their respective program requirements with regard to the master’s examination or its substitute.

**Admission to Candidacy**

To qualify for admission to candidacy, a student must be in a master’s degree program. He or she must be registered and enrolled in the program and must maintain a minimum cumulative G.P.A. of 3.0 in approved coursework. A student who seeks admission to candidacy in a research master’s program must also demonstrate research capability and receive program approval of his or her thesis.

Admission to candidacy is a prerequisite to receiving any graduate degree. It is the student’s responsibility to apply for admission by submitting the appropriate form to the Graduate School office through the program chair. The applicable deadline is published in the Graduate School calendar.

**Thesis Requirement**

The thesis is the distinctive requirement of the research master’s degree. With the approval of his or her adviser, the student proposes a thesis topic for program approval. The approved topic is researched and the results presented under the supervision of a thesis director.

**Submitting the Thesis**

To receive the degree at the next graduation, the master’s candidate who is completing a thesis must submit it to the Graduate School on or before the deadline published in the Graduate School calendar. Candidates should be cognizant of deadlines for graduation established by the Graduate School and the program.

The format of the thesis should follow the guidelines established by the Graduate School. These guidelines can be found online at [http://graduate-school.nd.edu](http://graduate-school.nd.edu). The Graduate School reserves the right to reject theses not properly formatted.

**The Doctor of Philosophy Degree**

The goal of the University in its Ph.D. programs is to address all aspects of a student’s development as he or she transitions from a student to a professional. To this end, the Graduate School expects that the student become an expert in a specific area within her or his discipline. In addition, the student should also become fully competent in the broad scope of the discipline, and be able to engage with others in professional society meetings at a sophisticated level. The student should have the capacity to think through ethical issues raised by his or her research and to weigh important implications within value systems. Finally, students should be professionally prepared so that when they assume their careers, they can do so with confidence. These goals should be reflected in the requirements for the degree.

In addition to the following Graduate School requirements, individual programs may require higher standards. Students are expected to know their program’s requirements.

**Credit Hours**

At least sixty (60) credit hours, or a minimum of 30 credit hours beyond a previously awarded master’s degree, are required for the Ph.D. Some programs may require more. These credit hours are earned through a combination of coursework and/or research.

**Residency**

The minimum residency requirement for the Ph.D. degree is normally full-time status for four consecutive semesters, and may include the summer session.

**Foreign Language Requirement**

The Graduate School does not have a foreign language requirement, but some programs do. Students should consult their program concerning this requirement.

**Responsible Conduct of Research and Ethics Training**

The Graduate School requires all Ph.D. students to complete any and all training modules for the Responsible Conduct of Research and Ethics requirements. All students supported by federal grants must be certified in accordance with national guidelines and the policies of the Office of Research. For more information, please consult the Professional Development portion of the Graduate School website at [http://graduateschool.nd.edu](http://graduateschool.nd.edu).

**Award of Master’s Degree to Doctoral Students**

A doctoral student may receive the master’s degree without taking the master’s examination on the recommendation of the program and completion of: (a) the coursework required by the program for the master’s degree, and (b) all written and oral parts of the doctoral candidacy or Ph.D. qualifying examination. Programs may have additional criteria, or may choose not to offer a master’s degree in this manner; students should consult the program’s guidelines.

**Time Limit**

The student must fulfill all doctoral requirements, including the dissertation, its defense, and the official submission within eight years from the time of matriculation, unless interrupted by approved medical leave(s) and/or approved childbirth accommodation(s).
Failure to complete any of the Graduate School or program requirements within the prescribed period results in forfeiture of degree eligibility.

If, after the eighth year of study, a student has not fulfilled all doctoral requirements, he or she may apply for a one-year dissertation completion status. Students who are granted this status are considered part-time and must register each semester for the equivalent of one credit hour of resident tuition, payable by the student.

Advisers and Dissertation Directors
Each student is assigned an adviser from the time of enrollment. This may initially be the director of graduate studies, but an individual adviser or dissertation director will be chosen as soon as practicable, following the department's policies.

Advisers and dissertation directors are normally chosen from the teaching-and-research faculty of the student's department. There also may be one co-director chosen from the faculty outside the student's department. In exceptional cases, a student may choose a dissertation director from the Notre Dame teaching and research faculty outside the department. Arrangements for extra-departmental directors or co-directors must be consistent with departmental policies and must be approved by the department.

Candidacy Examination
The examination consists of two parts: a written component and an oral component. The written part of the examination normally precedes the oral part. It is designed, scheduled, and administered by the program. The oral part of the examination is normally taken after the completion of the coursework requirement. If the proposal defense is part of the oral, it should be a defense of a proposal and not of a completed dissertation.

Normally, the candidacy examination is passed, and the dissertation topic approved, by no later than the student's eighth semester of enrollment. A student who fails to meet this deadline will be placed on probation and Graduate School funding will be discontinued.

Admission to Candidacy
Admission to candidacy is a prerequisite to receiving a doctoral degree. To qualify for admission to doctoral candidacy, a student must: be in a doctoral program, complete the program coursework requirement with a cumulative G.P.A. of 3.0 or better, pass the written and oral parts of the doctoral candidacy examination, and have the dissertation proposal approved (if this is not part of the candidacy exam).

It is the responsibility of the student to apply for candidacy admission by submitting the appropriate form to the Graduate School office through the program chair.

The Dissertation
In continuing consultation with the dissertation director, the candidate explores research areas in his or her field to formulate a dissertation proposal. The methods of approval of the dissertation proposal are determined by the individual programs.

Defense of the Dissertation
In defending the dissertation, the doctoral candidate supports its claims, procedures, and results. The defense is the traditional instrument that enables the candidate to explore with the dissertation committee the dissertation's substantive and methodological force. In this way, the candidate and the committee confirm the candidate's scholarly grasp of the chosen research area.

Submitting the Dissertation
To receive the degree at the next graduation, the doctoral candidate who has successfully defended his or her dissertation must submit it to the Graduate School on or before the deadline published in the Graduate School calendar. Candidates should be cognizant of deadlines for graduation established by the Graduate School and the program.

The format of the dissertation should follow the guidelines established by the Graduate School. These guidelines can be found online at http://graduate-school.nd.edu. The Graduate School reserves the right to reject dissertations not properly formatted.

Financial Information

Tuition and Expenses
Please note: The following tuition, fees, housing, and living costs are for the academic year 2012–2013. Annual increases in costs should be anticipated.

Tuition
Full-time for a degree-seeking student is defined as nine credit hours per semester.

For the full-time graduate student, the tuition for the academic year 2012–2013 is $42,350. Tuition for the part-time student is $2,353 per semester credit hour. Non-resident tuition is $500 per semester.
A full-time graduate student may audit courses without charge during the academic year. Any course taken or audited in the summer session will be charged the full price.

**Academic Year Fees**

- Technology Fee: $250*
- Health Center Access Fee: $150**
- Graduate Student Activity Fee: $65***

* The technology fee provides partial funding for the University’s enterprise-wide technology infrastructure, which provides all students access to the Internet, e-mail, course ware, campus clusters, ResNet, and a wide array of the latest software. This fee provides for the growth in student services, such as course and degree requirements, Web Registration, and value-added Internet-related capabilities.

** The health center access fee provides students access to all services at the University Health Center and University Counseling Center, including 24-hour medical care and counseling/mental health assistance, and alcohol and drug education programs, as well as health education and wellness programs.

*** The graduate student activity fee is the responsibility of the student. This fee, charged in the fall to all graduate students, covers the cost of graduate student activities, including but not limited to lectures/seminars, graduate student officer stipends, and office overhead. The fee also partially reimburses expenses that graduate students incur during travel to conferences and meetings to present work conducted in the students’ major fields of study.

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**Office of Student Accounts**

Phone: (574) 631-7113  
E-mail: stdacct@nd.edu  
Web: http://studentaccounts.edu

Tuition and fees, as well as any required deposits, are payable in advance at the beginning of each semester. Please note that Notre Dame does not accept credit cards for payment of tuition and fees. Tuition and/or fees not covered by scholarship are the responsibility of the student.

A student may not register for a new semester or receive transcripts, certificates, diploma, or any information regarding his or her academic record until the account has been settled in full.

**Separation from the University**

Any student who at any time within the school year wishes to withdraw from the University should contact the Office of the Registrar. To avoid failure in all classes for the semester and in order to receive any financial adjustment, the withdrawing student must obtain the appropriate clearance from the Dean of his or her college and from the Assistant Vice President for Residence Life.

On the first day of classes, a full tuition credit will be made. Following the first day of classes, the tuition fee is subject to a prorated adjustment/credit if the student (1) withdraws voluntarily for any reason on or before the last day for course discontinuance at the University, or (2) is suspended, dismissed, or involuntarily withdrawn by the University, for any reason, on or before the last day for course discontinuance at the University, or (3) is later obliged to withdraw because of protracted illness, or (4) withdraws involuntarily at any time because of military service, provided no credit is received for the classes from which the student is forced to withdraw.

Upon return of the student forced to withdraw for military service, the University will allow him or her credit for that portion of tuition charged for the semester in which he or she withdrew and did not receive academic credit.

Room and board charges will be adjusted/credited on a prorated basis throughout the entire semester.

Students receiving University and/or Federal Title IV financial assistance who withdraw from the University within the first sixty percent (60%) of the semester are not entitled to the use or benefit of University and/or Federal Title IV funds beyond their withdraw date. Such funds shall be returned promptly to the entity that issued them, on a pro rata basis, and will be reflected on the student’s University account.

This Withdrawal Regulation may change subject to federal regulations. Examples of the application of the tuition credit calculation are available from the Office of Student Accounts upon request.

**Housing**

Phone: (574) 631-5878  
Web: http://orlh.nd.edu

University housing for married, families and single students is available on or adjacent to the campus.

Accommodations for students with families are available in University Village, a complex of 100 two-bedroom apartments (limited four-bedroom apartments) with washer/dryer, renting for $520 - $785 per month, excluding electricity. The Cripe Street Apartments, 24 one-bedroom units, are available from $625 per month, excluding electricity. A deposit of one month’s rent is required.
Accommodations for approximately 140 full-time, degree-seeking single graduate men and women are available in the 36-unit O’Hara-Grace Graduate Residence adjacent to the campus. Each apartment has a kitchen, one-and-one-half baths, living, and bedroom accommodations for four students, renting for $490 a month (rent includes utilities, local phone and internet connection). Many general and departmental activities are held in Wilson Commons, a center for graduate students located next to the townhouses. The Fischer Graduate Housing apartment complex offers apartments with a kitchen, one full bath, and living and bedroom accommodations for two single students, renting for $595 a month (rent includes utilities, local phone and internet connection). A deposit equal to one month’s rent is required. Deductions may be set up for any student receiving a stipend. This is handled at the Office of Student Accounts, 100 Main Building, (574) 631-7113.

Health Insurance

Phone: (574) 631-6114  
Web: [http://uhs.nd.edu](http://uhs.nd.edu)

The student will be automatically enrolled in the University-sponsored plan, and the charge for the premium will be placed on the student’s account prior to the start of the academic year. At the beginning of each academic year, the opportunity is provided to show proof of comparable health insurance coverage. If University Health Services accepts this coverage, the charge for the University sponsored-plan will be removed from the student’s account by University Health Services.

Information regarding the University-sponsored plan is mailed to the student’s home address in July. Additional information is available in University Health Services by contacting the Office of Insurance and Accounts at (574) 631-6114 or referring to the UHS website: [http://uhs.nd.edu](http://uhs.nd.edu).

The cost of the student premium for the 2012–2013 academic year (effective August 15, 2012, to August 14, 2013) is $1,886. The insurer for the student health insurance policy is Aetna.

Premium information for dependent coverage may be found on the University Health Services website.

The Office of Student Accounts will offer students receiving a stipend from the University the option of paying the premium through deductions from the academic year stipend payments.

Health Insurance Subsidy Program

The Graduate School has a program to subsidize the student premium of University-sponsored student health insurance. The subsidy for 2012–2013 is $1,410 for degree-seeking students on full stipend support for both the Fall 2012 and Spring 2013 semesters. Students will receive a $705 subsidy if they are on full stipend support for only one semester. Eligible students who enroll in the University-sponsored student health insurance between August 15, 2012 and August 14, 2013 and are not charged the full $1,886 will receive a subsidy pro-rated based on the premium amount.

Eligibility

Doctoral students must be in their first eight years of study to be eligible for a health subsidy. Masters’ students must be in their first five years of study to be eligible for a health subsidy. A full stipend is defined as the minimum department-based stipend for each program. Students should contact their academic department with questions about their subsidy eligibility or funding levels. The Graduate School provides the departments with the subsidy level and eligibility criteria each year.

Procedure

No application for the subsidy is required. University Health Services, the Graduate School, Financial Aid and Student Accounts will automatically process the subsidy for eligible students in October. An audit will be performed early in the spring semester to add or increase the subsidy for those students who were not eligible for the full subsidy at the beginning of the academic year.

Tax Obligation

Because students receiving a stipend are not classified as employees of the University, the health insurance subsidy is a taxable benefit. In this case, however, it is regarded as ‘taxable but not reportable’. The University will not withhold income tax from a student’s subsidy, nor will it report the subsidy to the Internal Revenue Service. Students who receive the subsidy are obligated to self-report the income on their individual income tax returns. Note that the health insurance subsidy may be subject to reporting and withholding if you are an international student.

Worker’s Compensation Insurance

Students injured while performing assigned duties in University laboratories are covered by worker’s compensation insurance as if they were Notre Dame employees. During a period of temporary inability to perform duties as a result of such injuries, workers compensation provides for continuation of 66.6% (to state limits) of usual income after seven days have passed. Income beyond the limits set by workers compensation is subject to the discretion of department chairs where
Financial Information

support is from funds allocated by the Graduate School. Income beyond workers compensation is subject to the discretion of principal investigators and the guidelines of external sponsors where support is from funds provided by research grants.

Travel Accident Insurance
Students injured while traveling to present at conferences or on other University business which has been approved by the student’s department chair are covered by Notre Dame travel accident insurance. Compensation in set amounts is available for death or loss of arms or legs. Medical expenses in excess of other insurance are paid up to a maximum dollar amount.

Travel Reimbursement
Reimbursement is subject to University travel policy, which can be found on the Controller’s website, under Policies and Procedures: http://controller.nd.edu

Applications for the following professional development funds can be found on the Resources for Current Students page on the Graduate School website: http://graduateschool.nd.edu.

• GSU Conference Presentation Grant Program
• Zahm Research Travel Fund
• Joseph F. Downes Memorial Fund
• Notebaert Professional Development Fund

Financial Support

Exact amounts for the following aid will vary with the type of support and the department. Exact figures can be obtained from the particular department to which the student has been admitted. Initiation and continuation of financial support depends on the student’s maintaining good academic standing.

Only full-time, degree-seeking students are eligible for support. Recipients of financial support such as assistantships or fellowships usually may not accept additional appointments. Rare exceptions are made only on the recommendation of the respective department.

Categories of Support

The University offers four types of support: fellowships, teaching and research assistantships, and tuition scholarships. Students may receive one type of support or a combination of types.

Fellowships

Fellowships provide a tuition scholarship and a stipend for full-time study by students admitted to graduate programs. The department usually provides tuition and stipend support for the student in good standing once the fellowship expires.

Applicants for admission are automatically considered by their academic department for all of the following University, endowed, and awarded fellowships.

Select Fellowships

The Graduate School awards 12-month Presidential, Premier, and Special Fellowships to highly qualified first-time applicants who are nominated for the awards by departmental admissions committees. Some fellowships require U.S. citizenship.

Descriptions for these fellowships can be found on the Graduate School website at http://graduateschool.nd.edu/admissions/financial-support/prestigious-fellowships.

Assistantships

Graduate Assistantships
Graduate assistantships are available for qualified students in all doctoral programs.

Research Assistantships
Research assistantships provide support to qualified recipients under research programs sponsored by government, industry, or private agencies.

Doctoral students are eligible for fellowships and assistantships from the Graduate School during their first six years of study. Masters’ students are eligible for fellowships and assistantships from the Graduate School during their first three years of study. There is no eligibility limit for doctoral or masters’ students receiving fellowships and assistantships funded from other sources.

Tuition Scholarships

The University offers full or partial tuition scholarships to students qualifying on the basis of merit.

Doctoral students are eligible for tuition scholarships during their first eight years of study. Masters’ students are eligible for tuition scholarships during their first five years of study.

Financial Aid

Office of Financial Aid

Telephone: (574) 631-6436
E-mail: finaid@nd.edu
Web: http://financialaid.nd.edu

In addition to the student support programs described above, the Office of Financial Aid, located in 115 Main Building, administers federal and private financial aid programs to assist in the financing of your Notre Dame education.
Applying for Federal Student Aid

In order to be eligible for federal student assistance, a student must be a U.S. citizen, permanent resident, or eligible noncitizen. In general, students must be classified as degree seeking to participate in the federal aid programs and be enrolled at least half-time. The Free Application for Federal Student Aid (FAFSA) is the annual application that must be completed and submitted to the processing center, listing Notre Dame (Federal School Code 001840) in the appropriate section. Priority processing consideration will be given for those applicants submitting the FAFSA by February 28 for the following fall semester.

Academic Standing and Satisfactory Progress

The U.S. Department of Education requires students to maintain satisfactory progress toward completing their degree in order to receive financial aid. Satisfactory academic progress requirements for financial aid recipients may not be the same as the University’s requirements for academic good standing. Students are required to maintain a minimum cumulative grade point average, be on pace to graduate, and complete their degree within a maximum time frame. All semesters of enrollment are reviewed regardless of whether aid was received. Additional details may be obtained from the Office of Financial Aid website.

Federal Direct Loan

The terms of the non-need-based Unsubsidized Federal Direct Loan Program require that the borrower repay, with interest, this source of financial assistance. This program is referred to as “unsubsidized” because the federal government is not paying the in-school interest to the lender while the student is enrolled in school. Interest on Unsubsidized Direct Loans begins to accrue after disbursement of the loan funds; however, the student may choose to have the payment of the interest deferred during enrollment and later capitalized (added to the principal) at the time repayment begins. For a list of additional terms of the unsubsidized Direct Loan, visit the Office of Financial Aid website.

The amount a student may borrow from the Direct Loan Program may be limited by other financial assistance received by the student. Financial assistance includes, but is not limited to, the following: fellowships, assistantships, University scholarships, tuition remissions, all types of grants, residence hall appointments, campus employment, and any loan received under the auspices of the Higher Education Act as amended. Should a student’s eligibility be impacted at any time during the loan period, the Direct Loan will be subject to adjustment. All eligibility changes will be reported to the student’s lender.

Federal Direct PLUS Loan

Students who have a valid FAFSA on file and are enrolled at least half time may apply for the Direct PLUS Loan. The student must be a U.S. citizen or permanent resident. Direct PLUS Loan applications are subject to Department of Education credit review. (Note: The program is subject to federal legislative changes.) The maximum PLUS loan amount is the full cost of attendance minus all other financial aid. Repayment begins after the loan is fully disbursed or may be deferred while the student is enrolled in school. For a list of additional terms of the Direct PLUS Loan, visit the Office of Financial Aid website.

Private Student Loans

After exhausting the opportunities available from the federal aid programs, many students will consider private loan programs as a source of funding.

The terms and conditions of these credit-based loan programs vary, and as such, students are encouraged to review the details of the programs before selecting a private loan program. Private loans are not eligible for loan consolidation programs made available for federal student loans. Interest rates, fees (both at the time of borrowing and at repayment), credit checks, and annual and aggregate loan limits require careful evaluation by the student as a consumer.
Aerospace and Mechanical Engineering

Chair:
Gretar Tryggvason

Director of Graduate Studies:
Timothy C. Ovaert

Telephone: (574) 631-5430
Fax: (574) 631-8341
Location: 365 Fitzpatrick Hall
E-mail: amedept@nd.edu
Web: http://ame.nd.edu

Current research efforts in the program in aerospace and mechanical engineering are within the areas of aerospace sciences, biomechanics, biofluid mechanics, biomaterials, mechanical systems, robotics and design, solid mechanics and materials, and thermal and fluid sciences.

The programs of study and research lead to the degrees of master of science in aerospace engineering (M.S.A.E.), master of science in mechanical engineering (M.S.M.E.), master of engineering in mechanical engineering (M.E.M.E.), and doctor of philosophy (Ph.D). In addition, a combination master of engineering/juris doctor degree program is available to Notre Dame law students.

Every degree-seeking student is required to participate in the academic programs of the department by performing a teaching-related assignment.

For specific course, project and examination details required for each degree, refer to the program’s graduate handbook.

The Master of Science:
Aerospace Engineering or Mechanical Engineering

<table>
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<tr>
<th>Degree Requirements</th>
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<tbody>
<tr>
<td>Courses</td>
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<tr>
<td>18 credits (research)</td>
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<td>24 credits (non-research)</td>
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<td>30 credits</td>
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<td>Other</td>
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<td>Admission to candidacy</td>
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<tr>
<td>Candidacy examinations</td>
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<tr>
<td>Master's thesis or project</td>
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</table>

The master of science programs lead toward proficiency and creative talent in the application of basic and engineering sciences to relevant problems in the two engineering disciplines.

Students wishing to complete a research master’s degree are required to submit a written thesis. Those wishing to complete a non-research, course work-only program are required to submit a research or design project with a project report. In general, students are encouraged to follow the research path.

The Master of Engineering in Mechanical Engineering

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<th>Degree Requirements</th>
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<td>Courses</td>
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<td>24 credits</td>
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<td>30 credits</td>
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<td>Other</td>
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<tr>
<td>Admission to candidacy</td>
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<tr>
<td>Candidacy examinations</td>
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<tr>
<td>Research or design project &amp; report</td>
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</tbody>
</table>

The master of engineering in mechanical engineering is a course work-only, non-research degree that combines both business and engineering course work. It is intended primarily for students who are working in industry or planning careers in engineering management.

Thirty credits are required, and up to six of credits can be independent study.

The Doctor of Philosophy

<table>
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<tr>
<th>Degree Requirements</th>
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<tbody>
<tr>
<td>Courses</td>
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<tr>
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<td>72 credits</td>
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<tr>
<td>Admission to candidacy</td>
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<tr>
<td>Candidacy examinations</td>
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<tr>
<td>Doctoral dissertation</td>
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</tbody>
</table>

The doctoral program strives to prepare students for creative and pro-
Aerospace and Mechanical Engineering • Bioengineering

Productive scholarship. It is designed to suit each student's interests and gives students the opportunity to conduct individual research under the supervision of the department faculty.

Examinations
A written qualifying exam is administered at the end of the first year in residence. Passing the qualifying exam results in the formal admission of the student to the Ph.D. program. An oral candidacy exam is completed after approximately three years of study. Completion of the candidacy exam advances the student to the status of Ph.D. candidate.

Faculty
Arezoo Ardekani, Assistant Professor
Hafiz Atassi, Viola D. Hank Professor
Stephen M. Batill, Professor
Joshua Cameron, Research Assistant Professor
Hsueh-Chia Chang, Concurrent Professor
Thomas C. Corke, Director of the Hessert Laboratory for Aerospace Research and Clark Equipment Professor
Sadegh Dabiri, Research Assistant Professor
Hyungrok Do, Assistant Professor
Patrick F. Dunn, Professor
Joseph Fernando, Concurrent Professor
David Go, Assistant Professor
J. William Goodwine, Associate Professor
Stanislav Gordeyev, Research Assistant Professor
Frank Incropera, the H. Clifford and Evelyn A. Brosey Professor of Mechanical Engineering
Eric J. Jumper, Professor
Tengfei Luo, Assistant Professor
Eric Matlis, Research Assistant Professor
Karel Matous, Associate Professor
Scott C. Morris, Associate Professor
Robert C. Nelson, Professor
Glen L. Niebur, Professor
Timothy C. Ovaert, Professor and Director of Graduate Studies
Samuel Paolucci, Professor
Joseph M. Powers, Professor
R. Mark Rennie, Research Assistant Professor
Ryan K. Roeder, Associate Professor
Steven R. Schmid, Associate Professor
James P. Schmiedeler, Associate Professor
Fabio Semperlotti, Assistant Professor
Mihir Sen, Professor
Michael M. Stanisic, Associate Professor
Philippe Sucosky, Assistant Professor
Flint O. Thomas, Professor
Gretar Tryggvason, Viola D. Hank Professor and Interim Department Chair
Diane R. Wagner, Assistant Professor
Meng Wang, Associate Professor

Bioengineering
Interim Director:
Glen L. Niebur

Bioengineering lies at the intersection of the life sciences and the traditional disciplines of chemical, civil, computer, mechanical and electrical engineering.

Bioengineering research at Notre Dame includes biomedical applications, such as orthopaedic implants, miniature medical diagnostic devices, medical imaging and algorithms for radiation treatment as well as non-medical applications such as analysis of genomic information, biological water treatment, bacteria-mineral interactions and bioremediation. For specific requirements regarding the course work required for each track, see the program handbook.

The Doctor of Philosophy

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<th>Degree Requirements</th>
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<tbody>
<tr>
<td>Courses</td>
<td>27 credits</td>
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<td>Candidacy examinations</td>
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<td>Doctoral dissertation</td>
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</table>

The Ph.D. program has been designed to emphasize depth of knowledge in a single traditional engineering discipline, while incorporating additional coursework to provide a strong
foundation in the biological sciences. At present, students may specialize in engineering science, biological science, or bioengineering.

Students complete a minimum of nine courses (27 credit hours). Degree plans are designed in cooperation with the student’s adviser. The ideal plan of study ensures that the student will receive adequate instruction in both engineering and biological sciences, and also maintain a necessary flexibility in preparing the student for potential career paths.

A zero-credit bioengineering seminar during all semesters in residence, to explore recent advances across the spectrum of bioengineering research. One seminar each semester will be devoted to topics in bioethics with emphasis on contemporary questions in bioethics (e.g. stem cells, human subjects, and the use of animals in research).

Examinations

After the second semester of residence, each student presents written and oral reports based on thesis research or project work. These reports, along with performance in courses, in research, and in teaching assistantship duties, constitute the comprehensive evaluation in chemical engineering. This allows the faculty to evaluate the student’s grasp of bioengineering fundamentals and his or her ability to perform original, independent research. Students who pass the comprehensive evaluation may continue to the Ph.D. program.

Students generally take the oral candidacy examination before the end of the fifth semester in residence. This examination focuses on the progress achieved in dissertation-related work and on the proposed future research.

Chemical and Biomolecular Engineering

Chair:
Edward J. Maginn

Director of Graduate Studies:
Mark A. Stadtherr

Telephone: (574) 631-5580
Fax: (574) 631-8366
Location: 182 Fitzpatrick Hall
E-mail: chegdept@nd.edu
Web: http://cbe.nd.edu

The department offers programs leading to the degrees master of science in chemical engineering (M.S.Ch.E.) and doctor of philosophy (Ph.D.). The aim of the graduate program is to prepare qualified candidates for research, development, teaching, and other professional careers in chemical and biomolecular engineering. Thus, the Ph.D. program is emphasized.

There is no foreign language requirement for either the M.S. or Ph.D.

All first- and second-year graduate students are assigned teaching assistant duties. These duties consist of conducting recitation sections for lecture courses, supervising laboratory courses, or grading homework.

For specific course requirements related to each degree, refer to the program handbook.

The master of science degree, with thesis, requires 15 credit hours of graduate course work (5 courses) with a minimum 3.0 grade point average, and 15 credit hours of thesis research and graduate seminar. The results of the research are presented as a Master’s thesis and defended in a final oral defense.

A student pursuing the Ph.D. degree will be eligible to receive an M.S. degree after completing five semesters in the Ph.D. program, passing the Ph.D. candidacy exam, and preparing and submitting for publication a research paper in collaboration with the student’s research adviser(s). This paper shall describe work in which the student has a primary (not supporting) role, be submitted to a research journal or to the proceedings of a technical conference, and be subject to peer review.

Full-time students with a background in chemical engineering ordinarily complete these requirements in 16 to 24 months.

The Doctor of Philosophy

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<th>Degree Requirements</th>
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<td>Courses</td>
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The Ph.D. requires 24 credit hours of graduate course work (8 courses) with a minimum 3.3 grade point average,
and 36 hours of thesis research and
graduate seminar. Students entering
with a M.S. degree, earned within
five years of admission and from a
recognized graduate institution, may
transfer up to 24 credit hours, pro-
vided that the transferred credits satisfy
departmental guidelines for course
work distribution and grade point
average.

The student is admitted to doctoral
candidacy after passing the oral candi-
dacy examination. This examination,
ordinarily completed during the fifth
semester in residence, consists of a
written and oral presentation of thesis
research to a faculty committee.

After reaching candidacy, the student
devotes essentially all efforts to com-
pleting his or her thesis research. The
results of the research are presented as
a Ph.D. dissertation and orally defend-
ed before a faculty committee.

Full-time students normally complete
the Ph.D. degree requirements in
about four-and-a-half years beyond the
bachelor’s degree.

Teaching and Research
Faculty

Başar Bilgiçer, Assistant Professor

Paul W. Bohn, Schmitt Professor

Joan F. Brennecke, Keating-Crawford
Professor of Chemical Engineer-
ing and Director of Notre Dame
Center for Sustainable Energy at
Notre Dame

Hsueh-Chia Chang, Bayer Corpo-
ration Professor of Chemical
Engineering

Ruilan Guo, Assistant Professor

Jason C. Hicks, Assistant Professor

Davide A. Hill, Associate Professor

Prashant Kamat, Concurrent Professor

Jeffrey C. Kantor, Professor

Peter Kilpatrick, McCloskey Dean of
Engineering

David T. Leighton Jr., Professor

Edward J. Maginn, Chair and Profes-
sor

Mark J. McCready, Professor

Paul J. McGinn, Professor

William A. Phillip, Assistant Professor

William F. Schneider, Professor

Zachary D. Schultz, Concurrent As-
sistant Professor

Mark A. Stadtherr, Director of Graduate
Studies and Keating-Crawford
Professor of Chemical Engineering

Franklin Tao, Concurrent Assistant
Professor

Eduardo E. Wolf, Professor

Jeremiah J. Zartman, Assistant Profes-
sor

Y. Elaine Zhu, Associate Professor

Civil and Environmental
Engineering and Earth
Sciences

Chair:
Johannes Westerink

Director of Graduate Studies:
Robert Nerenberg

Telephone: (574) 631-5380
Fax: (574) 631-9236

All students participate in the edu-
cational mission of the department
by serving as teaching assistants for
eight hours per week during their first
year, four hours per week during their
second year, and, for continuing stu-
dents, four hours per week during one
additional semester.

The Master of Science1

<table>
<thead>
<tr>
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<tbody>
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<tr>
<td>Candidacy examinations</td>
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<tr>
<td>Master’s thesis</td>
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</table>

The program in civil and environ-
mental engineering and Earth sci-
ences offers a master of science in
biological engineering (M.S.Bio.E.),
master of science in civil engineering
(M.S.C.E.), master of science in envi-
ronmental engineering (M.S.Env.), and
master of science in geological science
(M.S.G.S.).

Students must spend a minimum of
two semesters at the University and
are expected to complete all degree re-
quirements except defense of the thesis
within three semesters. The M.S. de-
grees require 30 semester credit hours,
including at least 16 to 24 credits of
formal graduate course work, with
the remaining credits earned through
research.

An overall grade point average of at
least 3.0 must be achieved for gradu-
1 See text for specific master’s degrees offered.
Although both research and non-research options are available to students seeking a master's degree, the research option is the preferred and normal route. The non-research option is allowed only in exceptional circumstances.

In the research option, 30 credit hours are required with six to 14 of these credits devoted to thesis research, depending on the program of study developed in conjunction with the department. The research option requires a completed master's thesis and an oral defense of that thesis. The master's research is commonly completed by the end of the fourth semester of enrollment.

### The Doctor of Philosophy

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<th>Degree Requirements</th>
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<tbody>
<tr>
<td>Courses</td>
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To earn a Ph.D. in the program, students are expected to devote a minimum of three full academic years to study and research beyond the bachelor's degree. A total of 72 semester credit hours, with at least 18 credit hours of formal graduate course work, are required for the Ph.D. Students are expected to complete all degree requirements in approximately four years.

Course work requirements are established by a Ph.D. advisory committee assigned to each student. The course selections are in part determined by the student’s area of interest, and students are encouraged to fulfill a portion of the course requirements in related disciplines outside the Department of Civil and Environmental Engineering and Earth Sciences. For specific details regarding course requirements, see the program's handbook.

Students are required to pass a written examination demonstrating advanced skills in civil engineering or geological sciences and an oral candidacy examination in the student’s major areas of study. The successful defense and submission of a written dissertation is the final requirement for the Ph.D.

### Teaching and Research Faculty

- Thomas Albrecht-Schmitt, Professor
- Diogo Bolster, Assistant Professor
- Peter C. Burns, Henry J. Massman Jr. Professor of Civil Engineering and Geological Sciences
- Jeremy B. Fein, Director of the Center for Environmental Science and Technology and Professor
- Harinda J. Fernando, Wayne and Diana Murdy Endowed Professor of Engineering and Geosciences
- Ahsan Kareem, the Robert M. Moran Professor of Civil Engineering and Geological Sciences
- Andrew Kennedy, Assistant Professor
- Kapil Khandelwal, Assistant Professor
- Tracy Kijewski-Correa, the Leo E. and Patti Ruth Linbeck Collegiate Associate Professor and Associate Chair
- David J. Kirkner, Associate Professor
- Yahya C. Kurama, Professor
- Patricia A. Maurice, Professor
- Ralph Milliken, Assistant Professor
- Chongzheng Na, Assistant Professor
- Clive R. Neal, Professor
- Robert Nerenberg, Director of Graduate Studies and Associate Professor
- J. Keith Rigby Jr., Associate Professor
- Joshua D. Shrout, Associate Professor
- Stephen E. Silliman, Professor and Associate Chair
- Alexandros A. Taflanidis, Associate Professor
- Ashley P. Thrall, Cardinal John O’Hara Assistant Professor
- Joannes J. Westerink, Henry J. Massman Department Chair, Notre Dame Professor of Computational Hydraulics

### COMPUTER SCIENCE AND ENGINEERING

**Chair:** Kevin W. Bowyer

**Director of Graduate Studies:** Douglas Thain

- Telephone: (574) 631-8802
- Fax: (574) 631-9260
- Location: 326 Cushing Hall
- E-mail: cse@cse.nd.edu
- Web: [http://www.cse.nd.edu](http://www.cse.nd.edu)

The department offers programs of study and research leading to the degrees of master of science in computer science and engineering (MSCSE) and the doctor of philosophy (Ph.D.).

Students who show potential for the doctoral level work may be admitted to the Ph.D. program but are expected
to complete the master’s degree requirements first.

Both M.S. and Ph.D. candidates are required to complete a teaching apprenticeship that involves teaching duties of one semester for M.S. candidates and two semesters for Ph.D. candidates.

**The Master of Science: Computer Science and Engineering**

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<th>Degree Requirements</th>
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The master of science in computer science and engineering requires a minimum of 24 credit hours of course work beyond the bachelor’s degree and a master’s thesis. A full-time student can complete these requirements in three regular academic semesters plus the summer, although the majority of students take four semesters. The student must, upon the acceptance of the thesis, successfully pass an oral thesis defense examination.

**The Doctor of Philosophy**

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<th>Degree Requirements</th>
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<td>Courses</td>
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Doctoral students are normally required to accumulate a minimum of 12 credit hours of satisfactory course work beyond the master’s degree.

Students are encouraged to pursue course work outside the department whenever such studies support their program in the major field. For additional details regarding course requirements, see the program’s handbook.

Students should expect to successfully complete the Ph.D. qualifying examination in the second spring semester after entering the program with a bachelor’s degree. Those admitted with a master’s degree are required to finish the courses for the Ph.D. qualifying examination by the end of the first spring after entering the program.

The candidacy examination, consisting of both written and oral exams, takes place after the completion of the formal course work. After passing the Ph.D. candidacy, which takes place after the completion of the formal course work, the student devotes essentially all efforts to completing his or her dissertation research, culminating in the successful defense and submission of the doctoral dissertation.

The doctoral program normally requires four to five years of full-time work.

**Teaching and Research Faculty**

Panos J. Antsaklis, Director of the Center for Applied Mathematics, the H. C. and E. A. Brosey Professor of Electrical Engineering, and Concurrent Professor of Computer Science and Engineering

Albert-László Barabási, Adjunct Professor

Brian Blake, Professor and Associate Dean of Engineering for Research

Marina Blanton, Assistant Professor

Kevin W. Bowyer, Chair, the Schumehl-Prein Professor, and Concurrent Professor of Electrical Engineering

Jay B. Brockman, Associate Professor and Concurrent Associate Professor of Electrical Engineering

Amitabh Chaudhary, Assistant Professor

Nitesh V. Chawla, Associate Professor

Danny Z. Chen, Professor

Frank H. Collins, Concurrent Professor and the George and Winifred Clark Professor of Biological Sciences

Sidney D’Mello, Assistant Professor

Scott Emrich, Assistant Professor

Patrick J. Flynn, Professor

Eugene Henry, Professor Emeritus

Xiaobo Sharon Hu, Director of Graduate Studies and Professor

Yih-Fang Huang, Professor of Electrical Engineering and Concurrent Professor of Computer Science and Engineering

Jesús A. Izaguirre, Associate Professor

Peter M. Kogge, the Ted H. McCourtney Professor of Computer Science and Engineering and Concurrent Professor of Electrical Engineering

Collin McMillan, Assistant Professor

Tijana Milenkovic, Assistant Professor

Jaroslaw (Jarek) Nabrzycki, Concurrent Associate Professor and Direc-
The program in electrical engineering offers programs leading to the master of science in electrical engineering (MSEE) and the doctor of philosophy (Ph.D.).

### The Master of Science: Electrical Engineering

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<th>Degree Requirements</th>
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<td>Courses</td>
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A research M.S. degree requires 30 credit hours beyond the B.S., with at least six credit hours coming from thesis research. A research M.S. also requires the completion and defense of a master’s thesis.

A non-research M.S. degree requires 30 credit hours of course work. All students must take a written qualifying examination at the end of their second semester of graduate study; successful completion of the exam is required to receive an M.S. degree.

### The Doctor of Philosophy

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<th>Degree Requirements</th>
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</table>

To continue to the Ph.D. program, students must take an oral research exam before the start of their third semester. Doctoral students must accumulate a minimum of 36 course credits beyond the B.S. degree, pass the qualifying and candidacy examinations, spend at least two years in resident study, and write and defend a Ph.D. dissertation.

### Teaching and Research Faculty

- Panos J. Antsaklis, the H. C. and E. A. Brosey Professor of Electrical Engineering, and Concurrent Professor of Computer Science and Engineering
- Peter H. Bauer, Professor
- Gary H. Bernstein, Professor
- Patrick J. Fay, Professor
- Thomas E. Fuja, Chair and Professor
- Vijay Gupta, Assistant Professor
- Martin Haenggi, Professor
- Douglas C. Hall, Associate Professor
- Bernard Hochwald, Professor
- Anthony Hoffman, Assistant Professor
- Scott Howard, Assistant Professor
- Yih-Fang Huang, Professor of Electrical Engineering and Concurrent Professor of Computer Science and Engineering
- Debdeep Jena, Associate Professor
- J. Nicholas Laneman, Associate Professor
- Michael D. Lemmon, Professor
- Craig S. Lent, the Frank M. Freimann Professor of Electrical Engineering
- Hai Lin, Assistant Professor
Electrical Engineering Engineering and Law Dual Degree Program

Christine M. Maziar, Vice President and Senior Associate Provost of the University and Professor of Electrical Engineering

Paolo Minero, Assistant Professor

Wolfgang Porod, Director of the Center for Nano Science and Technology and the Frank M. Freimann Professor of Electrical Engineering

Ken D. Sauer, Associate Professor

Alan C. Seabaugh, Director of the Midwest Institute for Nanoelectronics Discovery (MIND) and Professor

Gregory Snider, Director of Graduate Studies and Professor

Robert L. Stevenson, Professor of Electrical Engineering and Concurrent Professor of Computer Science and Engineering

Gregory Timp, Professor

Mark A. Wistey, Assistant Professor

Grace Xing, Associate Professor

Engineering and Law Dual Degree Program

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<th>Degree Requirements</th>
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<tr>
<td>Courses</td>
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<tr>
<td>75 credits (law)</td>
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<td>24 credits (STEM)</td>
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<td>Total</td>
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<tr>
<td>99 credits</td>
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<tr>
<td>Other</td>
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<tr>
<td>Must be candidate for the juris doctor</td>
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<tr>
<td>Admission to master’s candidacy</td>
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<tr>
<td>Master’s examination</td>
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</table>

The dual degree program in engineering and law is designed for law students who are interested in pursuing careers in areas such as patent, environmental, telecommunications, or similar law specialties. To be eligible for the master of engineering degree, the candidate must have a B.S. in an A.B.E.T. accredited engineering or computer science program and must also be a candidate for the juris doctor degree in the Notre Dame Law School. The master’s of engineering program is not available as an individual degree program.

To be awarded both degrees, the candidate must complete a minimum of 99 credit hours, 75 in law and 24 in the engineering program. The engineering degree awarded will be the master of engineering with a concentration in one of the engineering disciplines offered in Notre Dame’s division of engineering. The course work-only master’s program requires the completion of 24 credit hours of engineering, mathematics, or science courses acceptable to the appropriate engineering department; six credit hours of appropriate law courses; and a master’s examination.

Courses for the M.Eng. will be chosen in consultation with an adviser in the student’s engineering department. The recommended distribution of engineering courses in the Law School curriculum is one each semester during the first and third years of study and two each semester during the second year.

Notre Dame law students interested in obtaining the dual degree in engineering should contact the Graduate School’s Office of Graduate Admissions for more information.
The Division of Humanities

Art, Art History, and Design

Chair:
Charles Barber

Director of Graduate Studies:
Robert Sedlack

Telephone: (574) 631-7602
Fax: (574) 631-6312
Location: 306 Riley Hall
E-mail: art@nd.edu
Web site: http://www.nd.edu/~art

The program in Art, Art History, and Design offers the master of fine arts (M.F.A.) degree in studio art and design and the master of arts (M.A.) degree in art history. In studio art and design, the department also awards the M.A. degree, but only to students who are not accepted to degree candidacy in the M.F.A. program.

Art studio and design students may concentrate in ceramics, graphic design, industrial design, painting, photography, printmaking, and sculpture, or in a combination of these disciplines. Art history students select from a range of course offerings to fulfill their professional interests. In addition to specific courses, graduate students may pursue an area of interest through a system of independent study with a faculty adviser and a graduate committee selected by the student. M.F.A. students are expected to develop a personal direction that culminates in a professional exhibition of visual work or a research project in art history.

The Master of Fine Arts

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The master of fine arts degree is for artists and designers with exceptional talent and strong academic skills. The program combines studio work with academic studies in art and design history and criticism. The College Art Association and most other professional institutions of higher education recognize the M.F.A. as the terminal degree for artists and designers. This degree has become the standard prerequisite for those who intend to teach at the college level. It is also appropriate for individuals seeking to further develop their professional careers as artists and designers.

The M.F.A. at Notre Dame is for artists and designers with exceptional talent and strong academic skills. The program combines studio work with academic studies in art and design history and criticism. The College Art Association and most other professional institutions of higher education recognize the M.F.A. as the terminal degree for artists and designers. This degree has become the standard prerequisite for those who intend to teach at the college level. It is also appropriate for individuals seeking to further develop their professional careers as artists and designers.

The Master of Arts: Art History

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<th>Degree Requirements</th>
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<td>Courses</td>
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The M.A. prepares the student for more advanced graduate work by providing him or her with the opportunity to solidify general and specialized art historical knowledge and to hone research skills. The degree may also serve as a foundation for employment or further study in fields such as museums, visual image management, and art dealing and investment. The M.A. in art history is not a terminal degree. A doctorate is normally required to teach at the collegiate level.
The M.A. in art history requires the completion of 36 credit hours of graduate study, including six credit hours of thesis research, with a B (3.0) or better average. Progress in the art history program is dependent upon the successful completion of a written thesis, which will be presented at the art history graduate symposium in the spring of the student’s second year, and evidence of reading ability in one foreign language, either German, French, or another language approved by the graduate adviser. Reading ability is normally demonstrated by obtaining a passing grade on the appropriate Graduate Reading Examination administered by the University. This requirement must be fulfilled during the first year of graduate study.

For additional residency, course and seminar requirements, consult the program’s handbook.

The Master of Arts: Studio Art and Design

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<tr>
<th>Degree Requirements</th>
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<tbody>
<tr>
<td>Courses</td>
<td>30 credits</td>
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<tr>
<td>Total</td>
<td>40 credits</td>
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<tr>
<td>Other</td>
<td>Admission to candidacy</td>
</tr>
</tbody>
</table>

The non-research master of arts degree (M.A.) program in studio art and design is granted to M.F.A. students who either are not admitted to M.F.A. candidacy or choose to leave the M.F.A. program with an M.A. degree. The department does not regularly admit students to this program. The non-research M.A. degree requires 40 graduate credits.

For additional residency, course and seminar requirements, consult the program’s handbook.

Teaching and Research Faculty

Charles E. Barber, Chair and Professor
Robert R. Coleman, Associate Professor and Research Specialist in the Medieval Institute
Rev. Austin I. Collins, C.S.C., Professor
Jean A. Dibble, Associate Professor
Dennis P. Doordan, Concurrent Professor of Art, Art History, and Design and Professor of Architecture
Paul A. Down, Associate Professor
Gabrielle Gopinath, Assistant Professor
Richard Gray, Director, Center for Creative Computing and Associate Professor
Danielle B. Joyner, Assistant Professor
William J. Kremer, Professor
Martina Lopez, Professor
André Murnieks, Assistant Professor
Martin L. Nguyen, C.S.C., Associate Professor
Kathleen A. Pyne, Assistant Director of Graduate Studies for Art History and Professor
Robin F. Rhodes, Associate Professor and Concurrent Associate Professor of Classics
Charles M. Rosenberg, Professor
Robert P. Sedlack, Director of Graduate Studies and Associate Professor
Maria Tomasula, The Michael P. Grace II Chair in Arts and Letters (Collegiate Chair) and Professor

Classics

Chair:
Elizabeth Forbis Mazurek

Director of Graduate Studies:
Christopher A. Baron

Telephone: (574) 631-7195
Fax: (574) 631-2153
Location: 304 O’Shaughnessy
Email: classics@nd.edu
Web: http://classics.nd.edu/

The Master of Arts

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<th>Degree Requirements</th>
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<tbody>
<tr>
<td>Courses</td>
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<tr>
<td>Total</td>
<td>36 credits</td>
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<tr>
<td>Other</td>
<td>Admission to candidacy</td>
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<tr>
<td>Other</td>
<td>Foreign language requirement</td>
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<td>Other</td>
<td>Preparation of reading list</td>
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<tr>
<td>Other</td>
<td>Candidacy examinations or a written thesis</td>
</tr>
</tbody>
</table>

Students must complete 36 credits over two years in the master of arts program. The curriculum is well-defined, but includes room for adjustment based on students’ individual needs and interests. The details of any particular student’s coursework will depend on the director of graduate studies in consultation with the graduate committee.

Students can choose from several areas of emphasis, including language and literature, history, late antiquity, and philosophy.

In addition to completing all course requirements, students will be expected to read a list of texts in preparation for their examinations and for further study in the field of classics. This reading list will be compiled with a view to the needs and interests of individual
Examinations

Students will be required to take examinations in Greek and/or Latin translation at the beginning of their fourth semester, with the possibility of taking the exam again in the spring. The exam will be based on a standard reading list of core texts, though some adjustment may be made according to individual needs.

Since German, French and Italian are of major importance for research, all students will be required to demonstrate reading proficiency in one of these languages by passing an appropriate examination.

Students choosing not to write a thesis will be required to take a comprehensive written and oral examination at the end of the fourth semester. Unlike the Greek and Latin examinations, the comprehensive examination will focus on broad topics pertaining to classical history, literature, and culture.

Thesis

With program permission, students will have the option of writing a final master’s thesis in a 3-credit or 6-credit version. Students intending to go on to a Ph.D. program are advised to exercise this option.

Students writing a thesis are not required to take the comprehensive examination.

Teaching and Research Faculty

Joseph P. Amar, Professor of Classics and Concurrent Professor of Theology

Christopher A. Baron, Director of Graduate Studies and Assistant Professor of Classics

W. Martin Bloomer, Professor of Classics

Keith R. Bradley, Eli J and Helen Shaheen Professor of Classics

Li Guo, Associate Professor of Arabic Language and Literature

David Hernandez, Assistant Professor of Classics

Brian Krostenko, Associate Professor of Classics

David Ladouceur, Associate Professor of Classics

Blake Leyerle, John Cardinal O’Hara, C.S.C., Associate Professor of Theology

Elizabeth Forbis Mazurek, Chair and Associate Professor of Classics

Hildegund MÜller, Associate Professor of Classics

David O’Connor, Associate Professor of Philosophy

Robin Francis Rhodes, Associate Professor of Art History

Catherine Schlegel, Associate Professor of Classics

Isabelle Torrance, Assistant Professor of Classics

Director of Graduate Studies:
Robin Darling Young
Telephone: (574) 631-7195
Fax: (574) 631-2153
Location: 304 O’Shaughnessy
Email: classics@nd.edu
Web: http://classics.nd.edu

The Master of Arts

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The two-year interdisciplinary M.A. program in early Christian studies is sponsored jointly by the Departments of Classics and Theology, with the participation of faculty in several other departments. It offers beginning graduate students basic training designed to help them gain success in the best doctoral programs in theology, religious studies, history, art history, and literary studies, already proficient in language study and basic training in the multiple fields of early Christian studies.

Students are expected to finish 42 credits of coursework to complete the program. Each student develops a curriculum to meet individual needs in consultation with a committee of faculty advisers. But all curricula are designed to ensure that students are equipped with the necessary language skills (at least two ancient Christian languages and literatures [Latin and/or Greek and/or Syriac] and one or more
contemporary research languages) and with a sturdy grasp of the intellectual, historical, and social contexts of the early church and the methods and resources for studying them.

New disciplinary and critical approaches to late antiquity, as well as a growing awareness of the importance of Christian origins for the present life of the churches, have made early Christian studies a vibrant and rapidly expanding field. Traditional expertise in philology, history, and theology remains fundamental, but these skills must now be supplemented by a broad range of interdisciplinary approaches. An unusually strong faculty presence makes Notre Dame the ideal place for pursuing this area. Students who come with a keen interest in the field, but limited formal training in it, may acquire the basic skills and knowledge necessary for advanced study. Those already adequately prepared in the basics can broaden their competency by studying the language and culture of Middle Eastern, Egyptian, and Byzantine Christianity, and of Rabbinic Judaism and early Islam.

**Teaching and Research Faculty**

Joseph P. Amar, Professor of Classics and Concurrent Professor of Theology

Charles E. Barber, the Michael P. Grace Professor of Arts and Letters and Professor of Art, Art History, and Design

W. Martin Bloomer, Professor of Classics

Keith R. Bradley, Eli J and Helen Shaheen Professor of Classics, and Concurrent Professor of History

John C. Cavadini, Professor of Theology, and Executive Director of the Institute for Church Life

Brian E. Daley, S.J., the Catherine F. Huisking Professor of Theology

Blake Leyerle, The John Cardinal O’Hara, C.S.C., Associate Professor of Theology and Concurrent Associate Professor of Classics

Daniel J. Sheerin, Professor of Classics and Concurrent Professor of Theology, Emeritus

Robin Darling Young, Director of Graduate Studies and Associate Professor of Theology

**Associated Faculty**

David E. Aune, Professor of Theology

Mary Rose D’Angelo, Associate Professor of Theology

Stephen E. Gersh, Professor of Medieval Studies

Maxwell E. Johnson, Professor of Theology

Mary M. Keys, Associate Professor of Political Science

Brian Krostenko, Associate Professor of Classics

David Ladouceur, Associate Professor of Classics

John P. Meier, the William K. Warren Professor of Catholic Theology

Hildegund Müller, Associate Professor of Classics

David K. O’Connor, Associate Professor of Philosophy and Concurrent Associate Professor of Classics

Gretchen J. Reydams-Schils, Professor and Chair, Program of Liberal Studies and Fellow in the Nanovic Institute for European Studies

**English**

Chair:
Valerie Sayers

Director of Graduate Studies:
Elliott Visconsi

Director of Creative Writing:
Orlando Menes

English
Telephone: (574) 631-7226
Fax: (574) 631-4795
Location: 356 O’Shaughnessy
E-mail: english@nd.edu
Web: http://www.nd.edu/~english

Creative Writing
Telephone: (574) 631-7526
Fax: (574) 631-4795
Location: 340 O’Shaughnessy
E-mail: creativewriting@nd.edu
Web: http://creative-writing.nd.edu

**The Master of Arts: English and American Literature**

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Foreign language requirement

Written examination or thesis

The M.A. program is specifically designed for former Notre Dame or St. Mary’s undergraduate English majors seeking advanced training before applying to a Ph.D. program at another
The Master of Arts: English and Law

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This is a program open only to students already admitted to the Notre Dame Law School who also wish to obtain a Master of Arts degree in English. A student takes 21 hours of English courses and 9 hours of law courses. Normally, students pursue the nonresearch degree; those wishing to complete the research degree need to complete an additional six hours of thesis research. Current or matriculated NDLS students apply directly to the English Department.

The Master of Fine Arts: Creative Writing

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<th>Degree Requirements</th>
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The graduate creative writing program is a four-semester program in which students take 36 credit hours of writing workshops, thesis preparation tutorials, and literature classes. Students may also choose to work as editorial assistants on our national literary magazine, *The Notre Dame Review*. Throughout the four semesters, all students work closely with an adviser on the thesis, which will ultimately be a publishable novel, collection of stories, volume of poetry, or work of literary nonfiction.

The Doctor of Philosophy

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<th>Degree Requirements</th>
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The Ph.D. program requires 42 credit hours of course work. Students must take the Introduction to Graduate Study, a historical distribution of courses, and at least one course in literary theory. In keeping with its policy of encouraging interdisciplinary study, the program permits the student to take up to 12 credit hours of course work in a field other than English.

Foreign Language Requirement

By the end of the second year of full-time residency, the student must demonstrate proficiency in two languages or fluency in one language. Proficiency is demonstrated by successfully passing a language exam administered by the appropriate language department, or by passing an advanced undergraduate literature course in the language. Fluency is demonstrated by passing a graduate literature course in the language. The language(s) should be appropriate to the student’s area of research.

Candidacy (Comprehensive Three-Field) Examinations

The student takes examinations in one historical period selected from among Old English, Middle English, Renaissance, Restoration and 18th-century, 19th-century British, 20th-century British, early American literature (to 1865), middle American literature from the Civil War to 1930, and post-1930 American literature; either a second historical period or a special topic; and one examination in literary theory/methodology. One of these three fields, ordinarily the field in which the student intends to write his or her dissertation, is designated the major field. These examinations are intended to determine whether the student possesses the theoretical skills and specialized knowledge necessary for writing a dissertation and for teaching in his or her field. Special reading courses enable students to dedicate the majority of their last two semesters of course work to preparation for these examinations. The written part of the examination is followed by an oral component.

Dissertation Proposal

In the fall of the fourth year, students produce a dissertation prospectus and preliminary draft of one part of the
dissertation (a chapter or substantial part of a chapter). Students then meet with the dissertation committee for advice on continuing and completing the project.

**Teaching and Research Faculty**

Christopher Abram, Associate Professor
Mary Burgess, Assistant Professor
Joseph A. Buttigieg, William R. Kenan Jr. Professor of English, Director of the Ph.D. in Literature Program, and Director of the Office of International Studies
James M. Collins, Professor of Film, Television, and Theatre and Concurrent Professor of English
Margaret Doody, John and Barbara Glynn Family Professor of Literature
John Duffy, Associate Professor and Director, University Writing Center and College Seminar Program
Stephen M. Fallon, Cavanaugh Professor of Humanities and Professor of English
Christopher B. Fox, Professor, Director of the Keough Institute for Irish Studies, and Chair of Irish Language and Literature
Stephen A. Fredman, Professor
Dolores Warwick Frese, Professor
Johannes Goransson, Assistant Professor
Barbara J. Green, Associate Professor
Stuart Greene, Associate Professor
Sandra Gustafson, Professor
Susan Cannon Harris, Associate Professor and Concurrent Associate Professor in the Keough-Naughton Institute for Irish Studies
Peter Holland, McMeel Professor in Shakespeare Studies in the Department of Film, Television and Theatre, and Concurrent Professor in English
Romana Huk, Associate Professor
Cyraina Johnson-Roullier, Associate Professor
Kathryn Kerby-Fulton, Notre Dame Professor of English
Greg P. Kucich, Director of the London Program and Professor
Jesse M. Lander, Associate Professor
Jose Limon, Notre Dame Professor of American Literature
Sara Maurer, Associate Professor
Kate Marshall, Assistant Professor
Joyelle McSweeney, Associate Professor
Orlando Menes, Director of Creative Writing and Associate Professor
Susannah Monta, Associate Professor
Kinohi Nishikawa, Assistant Professor
William A. O’Rourke, Professor
Valerie Sayers, Chair and Professor
John Sitter, Mary Lee Duda Professor of Literature
Yasmin Solomonescu, Assistant Professor
David Wayne Thomas, Associate Professor
Steve Tomasula, Associate Professor
Azareen Van der Vliet Oloomi, Assistant Professor
Chris R. Vanden Bossche, Professor and Director of Undergraduate Studies
Elliott Visconsi, Director of Graduate Studies, Associate Professor, Concurrent Associate Professor of Law
Laura Dassow Walls, William P. and Hazel B. White Professor of English
Henry Weinfield, Professor of Liberal Studies and Concurrent Professor of English
Thomas A. Werge, Professor and Concurrent Professor in the Master of Education Program
Matthew Wilkens, Assistant Professor
Katherine Zieman, Assistant Professor

**History**

Chair:
Patrick Griffin

**Director of Graduate Studies:**
Edward N. Beatty

Telephone: (574) 631-4262
Fax: (574) 631-4717
Location: 219 O’Shaughnessy Hall
E-mail: histdgs.1@nd.edu
Web: http://www.nd.edu/~history

The history programs accept only students planning to pursue the Ph.D. degree. Before completing their doctorates, students must satisfy the departmental requirements for the master's degree.

See the program handbook for specific details on the course work and language requirements in each field.
The Master of Arts

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<th>Degree Requirements</th>
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Students may receive their master of arts after completing 33 credit hours of study, including one graduate-level seminar in history and 24 credit hours of graduate-level work (seminars, colloquia, directed readings, supplemental research, and readings) in history or related disciplines. The master’s degree demands satisfactory completion of course work with a GPA of no less than 3.0, and students must demonstrate a reading knowledge of one modern foreign language by the end of their third semester in residence.

Students will normally receive their master’s degree upon successful completion of their Ph.D. candidacy examinations.

Master’s Examinations

First-year examinations are oral examinations administered near the end of the student’s second semester of residence. The first-year examination does not take the place of a master’s exam. The master’s examination is normally the equivalent of two qualifying exam fields in the normal format—a written examination in each field, followed by an oral exam. There must be a gap of at least five working days between the final written exam and the oral exam.

Students who fail a candidacy examination may appeal to the director of graduate studies to retake the failed portion one time. A terminal master’s degree may be awarded in cases where a student has completed all course work, passed at least one language exam, and passed a master’s examination.

Students entering Notre Dame with a master’s degree in history from another institution normally have the same course work, writing, and examination requirements as those entering without such a degree. Normally, no more than three credits may be transferred and used to replace required courses in history.

See the program handbook for specific details on the course work and language requirements of each field.

The Doctor of Philosophy

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<th>Degree Requirements</th>
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To receive a Ph.D., a student must complete a total of 42 credit hours of study, including at least two graduate-level seminars.

In addition to completing prescribed course work, doctoral students must also pass Ph.D. candidacy examinations in their specialties, normally taken in the student’s third year of residence. Students wishing to take candidacy examinations earlier than the third year of residence may do so with the consent of their academic advisers and the director of graduate studies.

Before being advanced to Ph.D. candidacy, students must submit to the department an approved dissertation proposal (see procedures outlined in the program handbook). Within eight years of enrollment into the history graduate program, students must complete a satisfactory doctoral dissertation or risk the loss of their candidacy status.

Teaching and Research Faculty

R. Scott Appleby, the John M. Regan Jr. Director of the Joan B. Kroc Institute for International Peace Studies, and Professor of History

Edward N. Beatty, Director of Graduate Studies and Associate Professor

Gail Bederman, Associate Professor

Rev. Thomas E. Blantz, C.S.C., Professor

Catherine Cangany, Assistant Professor

Jon T. Coleman, Professor

Olivia R. Constable, Professor and Director of the Medieval Institute

John Deak, Assistant Professor

Lauren Faulkner, Assistant Professor

Felipé Fernandez-Armesto, William P. Reynolds Professor

Karen Graubart, Carl E. Koch Associate Professor

Brad S. Gregory, Professor

Patrick Griffin, Chair and Madden Hennebry Professor of Irish American Studies

Christopher S. Hamlin, Professor

Asher Kaufman, Associate Professor

Thomas A. Kselman, Professor

Mikolaj Kunicki, Assistant Professor

Semion Lyandres, Associate Professor
HPS at Notre Dame is an interdepartmental program. Because the Ph.D. in HPS incorporates the requirements for a doctorate in a standard disciplinary department, either history or philosophy, the HPS degree program leads to a doctoral degree inclusive of, but broader in scope than, the departmental degree. For this reason it is defined as a five-year program, rather than the normal four. Thus students who take the doctoral degree in the HPS program can claim to have satisfied both the disciplinary degree requirements and also those of an HPS degree. This allows Notre Dame graduates to situate their work within traditional disciplinary contexts and enables them to qualify for academic positions in regular disciplinary departments.

### The Master of Arts

The master of arts is not a terminal degree, although individuals concurrently enrolled in other doctoral graduate programs of the University may seek to earn a non-research HPS master's degree in order to complement their doctoral studies. Students whose primary enrollment is in HPS will be entitled to receive a master's degree once they have completed the written and oral examination for Ph.D. candidacy.

The master of arts degree requires the completion of 36 credit hours of course work. Three courses in history of science and three courses in philosophy of science form the core of this requirement. The student, in consultation with the HPS program director, selects the remaining courses. To be eligible for HPS credit, these courses must bear in significant ways on the concerns of history and philosophy of science. Students taking the nonresearch HPS M.A. concurrently with a Ph.D. in another Notre Dame program may count up to nine hours of course work toward both degree programs, subject to approval by the director of HPS and the director of graduate studies in the other program.

Reading knowledge in one foreign language (ordinarily French or German) is required. A one-hour oral comprehensive examination completes the requirements for this research M.A. degree.

A one-hour oral examination, based on course work, completes the requirements for the non-research M.A. degree.
The Research M.A.

In the event that an admitted HPS student decides to leave the program or is subsequently discontinued by the HPS program or the disciplinary department, the student may pursue a research (or thesis) terminal M.A. degree.

Students taking the terminal HPS research M.A. will prepare an extended research paper or formal M.A. thesis under the direction of a faculty member, for which six hours of thesis credit will be awarded. A one-hour oral comprehensive examination completes the requirements for this research M.A. degree.

The Doctor of Philosophy

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HPS students pursue the Ph.D. degree in either a history track or a philosophy track.

History Track

Those who elect the history track toward the Ph.D. in history and philosophy of science must satisfy a required course distribution as defined by the program. For specific course requirements, consult the program handbook.

The basic language requirement for Ph.D. candidates on the history track is a reading knowledge of one modern foreign language. In addition, competence has to be shown either in a second language or in a technical discipline bearing on the student’s research work, such as one of the natural sciences.

In the spring of the third year, the student will prepare for the Ph.D. candidacy examination, taken in the late summer. This will consist of two parts, written and oral.

Philosophy Track

Those who elect the philosophy track toward the Ph.D. in history and philosophy of science must satisfy a required course distribution as defined by the program. Students who elect the ethics of science and technology concentration will satisfy the philosophy-track course requirements, with some exceptions. For specific course requirements, consult the program handbook.

The language requirement for Ph.D. candidates in the philosophy track is a reading knowledge of two foreign languages.

No later than the summer after his or her second year, the philosophy-track student will take a written qualifying examination in the history of philosophy administered by the Philosophy Department. By the end of his or her third year, the student will also be expected to have two “qualifying” papers approved (see philosophy doctoral requirements). Normally in the first semester of the fourth year, the student will take an oral qualifying examination in the philosophy of science, with a special focus on the problem area in which he or she intends to write a dissertation.

Theology and Science Track

Those who elect the theology and science track toward the Ph.D. in history and philosophy of science must satisfy a required course distribution as defined by the program. For specific course requirements, consult the program handbook.

Ph.D. candidates on the theology and science track fulfill the foreign language requirements required by the Theology Department.

The written and oral candidacy examinations are usually taken in the second semester after the two-year residency and completion of the language requirements. Successful completion of the written examinations is required for admission to the oral examination.

Dissertation Proposal

Once Ph.D. candidacy requirements have been completed, the student will begin preparation of a dissertation proposal under the guidance of a research director of his or her choice. The Graduate School requires that dissertation proposals be approved by the end of the eighth semester in order for one to be eligible for continued funding.

Teaching and Research Faculty

J. Matthew Ashley, Associate Professor of Theology
Francesca Bordogna, Assistant Professor in the Program of Liberal Studies
Katherine A. Brading, Director of Graduate Studies and Associate Professor of Philosophy
Anjan Chakravartty, Professor of Philosophy
Jon Coleman, Professor of History
Michael Crowe, John J. Cavanaugh Professor in the Humanities, Professor in the Program of Liberal Studies, and Concurrent Professor of History, Emeritus
The Ph.D. in Literature offers an innovative academic framework for the formation of future scholar-teachers in both the classical and modern languages and literatures. The program requires its students to complete a minimum of 54 credit hours from regular graduate courses. Students who have obtained credits for graduate courses taken after their undergraduate degree and prior to entering the program may be allowed to transfer a maximum of 6 credit hours. Students who have completed an M.A. before entering the program may be allowed to transfer a maximum of 24 credit hours. The transfer of credit hours is not automatic and requires the approval of the program’s director and the Graduate School.

In both their second and third year of study students are required to enroll in the year-long course (1.5 credits per semester) “Learning the Profession.” Students may opt to take this course on an S/U basis, in which case the credits earned will not count towards the 54 credits of coursework required by the program. For additional course work requirements, consult the program’s handbook.

Languages

All students in the Ph.D. in Literature Program are expected to be able to read and conduct research in at least two languages besides their own native language.

Students are minimally required to demonstrate near-native proficiency in the language of their major area of study and a scholarly reading knowledge in an additional language. The language skills required will vary according to the individualized program of study. Language requirements are designed to provide a rigorous base for in-depth study of two or more literary traditions and to ensure that students will successfully compete for placement in national literature departments as well as interdisciplinary programs.

Examinations

The permission to proceed exam is administered during the week immediately before the beginning of classes in the spring semester of the student’s second year in the program. The exact date is set by the program director at the start of each academic year. (After seeking the advice of the program director, a student may opt to take the exam earlier.)
The Graduate School requires all doctoral candidates to complete their Ph. D. candidacy exam by the end of their fourth year of study. This deadline, however, represents nothing more than the utmost limit of acceptability. Students in the Ph.D. in Literature Program are strongly advised to organize and structure their coursework in a manner that permits them to sit for the candidacy exam in their third year.

**Participating Faculty**

The following is a partial list of Notre Dame faculty who have worked closely with the Ph.D. in Literature Program. They form a core group of outstanding scholars who will be joined by numerous other faculty whose interests and expertise will enable students to craft doctoral degrees responsive to their own particular interests in world literatures. For a complete listing of participating faculty and their scholarly interests and current graduate students please visit our Web site at [http://phdliterature.nd.edu](http://phdliterature.nd.edu).

**Associated Teaching and Research Faculty**

Thomas F. Anderson, Professor of Romance Languages and Literatures

Zygmunt Baranski, Notre Dame Professor of Dante and Italian Studies, Department of Romance Languages and Literatures

Martin Bloomer, Professor of Classics

Tobias Boes, Assistant Professor, Department of German Language and Literature

Maureen Boulton, Professor of French, Department of Romance Languages and Literatures

Keith R. Bradley, the Eli J. and Helen Shaheen Professor of Classics and Concurrent Professor of History

Joseph A. Buttigieg, Director of the Ph.D. Program in Literature, the William R. Kenan Jr. Professor of English and Fellow in the Nanovic Institute for European Studies

Theodore J. Cachey Jr., Professor of Italian, Albert J. Ravarino Family Director of Dante and Italian Studies, and Chair, Department of Romance Languages and Literatures

James Collins, Professor, Department of Film, Television, and Theatre

JoAnn DellaNeva, Professor, Department of Romance Languages and Literatures Fellow, the Kaneb Center for Teaching and Learning Fellow, the Nanovic Institute

Margaret Doody, the John and Barbara Glynn Family Professor of Literature

Julia V. Douthwaite, Professor of French, Department of Romance Languages and Literatures

Christopher Fox, Director of the Keough Institute for Irish Studies, Professor of English and Chair of Irish Language and Literature

Stephen Gersh, Professor, Department of Philosophy

Ben A. Heller, Associate Professor, Department of Romance Languages and Literatures, Co-Director, Fernández Caribbean Initiative Fellow, Kellogg Institute for International Studies

Peter Holland, McMeel Family Professor in Shakespeare Studies, Department of Film, Television and Theatre

Vittorio Hösle, Paul G. Kimball Professor of Arts and Letters, Director, Notre Dame Institute for Advanced Study, and Professor of German

Kristine Ibsen, Professor of Spanish, Department of Romance Languages and Literatures

Carlos Jáuregui, Associate Professor of Spanish

Lionel M. Jensen, Associate Professor of East Asian Languages & Culture, Concurrent Associate Professor of History, and Fellow in the Helen Kellogg Institute for International Studies

Kathryn Kerby-Fulton, Professor of English

Brian Krostenko, Associate Professor, Classics

Declan Kiberd, Endowed Professor, Donald and Marilyn Keough Professor of Irish Studies

Silvia Li-chun Lin, Associate Professor, Department of East Asian Languages and Culture

Kate Marshall, Assistant Professor of English

Peter McQuillan, Associate Professor of Irish Language and Literature

Christian Moevs, Associate Professor, Department of Romance Languages and Literatures, and Fellow of the Medieval Institute

Vittorio Montemaggi, Assistant Professor of Religion and Literature, Department of Romance Languages and Literatures

Olivier Morel, Assistant Professor, Department of Romance Languages and Literatures and Film, Theatre and Television
The Medieval Institute offers a doctor of philosophy degree in medieval studies. After two years of course work, and completion of examinations in the third year, students earn a master of medieval studies (hereafter M.M.S.) degree and are approved for further work towards the Ph.D. The Institute does not accept candidates for a terminal master’s degree.

### The Master of Medieval Studies

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<td>Other</td>
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A general statement of topic for the second-year project, with signed adviser approval, is due on May 1st of a student’s first year.

Completed projects are due in April of the second year. No incomplete grades are allowed, except in extraordinary circumstances. If the project is not complete and satisfactory, a student may not continue into the third year.

The Medieval Institute holds an annual public colloquium each April for second-year students to give formal presentations on their research projects to the Medieval Institute community.

### Language Requirements

The programs of the Medieval Institute are rigorous and interdisciplinary, and make high demands in terms of language skills.

Each student must pass a written exam in her/his primary medieval research language (Latin, Greek, or Arabic) before the end of the second year of study. This exam must be passed by the end of the fourth semester in order for a student to continue in the program.

A student should plan to take the exam in his/her medieval research language every semester until it is passed.

Students must pass written exams in two modern languages before taking their comprehensive exams in the third year (i.e., by the end of the fifth semester).

### Coursework

Consult the Medieval Institute Graduate Handbook for specific program details regarding course requirements, electives and academic milestones.

Students who enter the program with a completed M.A. degree may petition the DGS to transfer up to two courses.
(six credits) from their M.A. program. Transferring credits allows more flexibility in our program and can slightly accelerate a student’s progress.

**The Doctor of Philosophy**

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The Ph.D. requires satisfactory completion of the master of medieval studies outlined above, successful completion of five written Ph.D. candidacy examinations, one oral Ph.D. candidacy examination, presentation of a dissertation proposal, and the presentation and defense of a satisfactory dissertation.

In early May each year the director and the graduate committee will review the accomplishments of the members of the third-year class. There will be three possible recommendations.

1. Permission to proceed to the dissertation proposal.

2. Requirement to re-take the Ph.D. examinations in the following September with the possibility at that time to recommend continuation or dismissal.

3. Dismissal with an M.M.S. degree.

The dissertation proposal is expected to be submitted no later than the first day of the fall semester of the student’s fourth year. After acceptance of the dissertation proposal, most students will require three or four years to complete the dissertation. It is not unusual for a satisfactory student to take six or seven years, from start to finish, to achieve the doctorate in Medieval Studies.

See the program handbook for additional details on the program’s dissertation proposal and defense requirements.

**Faculty Fellows of the Medieval Institute**

- Rev. Joseph P. Amar, Professor of Classics and Concurrent Professor of Theology
- Ann Astell, Professor of Theology
- Yruy Avvakumov, Assistant Professor of Theology
- Zygmunt G. Baranski, Notre Dame Professor of Dante and Italian Studies
- Charles E. Barber, Professor of Art, Art History, and Design
- Alexander Blachly, Professor of Music
- W. Martin Bloomer, Professor of Classics
- D’Arcy Jonathan Boulton, Professor of the Practice of Medieval Studies
- Maureen B. McCann Boulton, Professor of French Language and Literature
- Keith R. Bradley, the Eli J. and Helen Shaheen Professor of Classics
- Theodore J. Cachey Jr., Albert J. Ravarino Family Director of Dante and Italian Studies; Professor and Chair, Department of Romance Languages and Literatures
- John C. Cavadini, Professor of Theology, and Director of the Institute for Church Life
- Robert R. Coleman, Associate Professor of Art, Art History, and Design, and Research Specialist in the Medieval Institute
- Olivia Remie Constable, Professor of History and Robert M. Conway Director of the Medieval Institute
- Richard Cross, Rev. John A. O’Brien Professor in Philosophy and Chair, Department of Philosophy
- Rev. Brian Daley, S.J., the Catherine F. Huisking Professor of Theology
- JoAnn DellaNeva, Professor of French Language and Literature
- Rev. Michael S. Driscoll, Associate Professor of Theology
- Stephen D. Dumont, Professor of Philosophy
- Kent Emery Jr., Professor in the Program of Liberal Studies
- Margot Fassler, Keough-Hesburgh Professor of Music History and Liturgy
- Felipe Fernandez-Armesto, William P. Reynolds Professor of History
- Alfred Freddoso, John and Jean Oesterle Professor of Thomistic Studies
- Dolores Warwick Frese, Professor of English
- Stephen E. Gersh, Professor and Concurrent Professor of Philosophy
- Robert Goulding, Associate Professor in the Program of Liberal Studies and the Program in the History and Philosophy of Science
- Karen B. Graubart, Carl E. Koch Associate Professor of History
- Brad S. Gregory, Professor
- Li Guo, Associate Professor of Classics
Medieval Studies • Philosophy

Thomas N. Hall, Professor of English
Peter Holland, McMeel Family Professor in Shakespeare Studies
Peter Jeffrey, Michael P. Grace Chair in Medieval Studies and Professor of Music
Rev. John I. Jenkins, C.S.C., President of the University and Professor of Philosophy
Danielle B. Joyné, Assistant Professor of Art, Art History, and Design
Encarnación Juárez-Almendros, Associate Professor of Spanish Language and Literature
Kathryn Kerby-Fulton, Notre Dame Professor of English
Mary M. Keys, Associate Professor of Political Science
Brian Krostenko, Associate Professor of Classics
Ian Kuijít, Professor of Anthropology
Blake Leyerle, John Cardinal O’Hara, C.S.C., Associate Professor of Theology and Concurrent Associate Professor of Classics
Sabine G. MacCormack, Rev. Theodore M. Hesburgh, C.S.C. Professor of Arts and Letters in History and Classics
Julia Marvin, Associate Professor in the Program of Liberal Studies
Peter McQuillan, Chair of the Department of Irish Language & Literature and Associate Professor of Irish Language & Literature
Margaret H. Meserve, Associate Professor
Christian R. Moevs, Associate Professor of Italian Language and Literature
Vittorio Montemaggi, Assistant Professor of Religion and Literature
Candida R. Moss, Professor of Theology
Hildegund Müller, Associate Professor of Classics
Thomas F. X. Noble, Professor of History
David O’Connor, Associate Professor of Philosophy and Concurrent Associate Professor of Classics
Mark C. Pilkinton, Professor of Film, Television, and Theatre
Jean Porter, John A. O’Brien Professor of Theology
Rory Rapple, Assistant Professor of History
Gretchen J. Reydam-Schils, Professor in the Program of Liberal Studies
Gabriel Said Reynolds, Associate Professor of Islamic Studies and Theology
Robert E. Rodes, Jr., the Paul J. Schierl/Fort Howard Corporation Professor of Legal Ethics
John Roos, Professor of Political Science
Charles M. Rosenberg, Professor of Art, Art History, and Design
Dayle Seidenspinner-Núñez, Professor of Spanish Language and Literature
Susan Guise Sheridan, Associate Professor of Anthropology
Deborah Tor, Assistant Professor of History
John Van Engen, the Andrew V. Tackes Professor of History
Joseph Wawrykow, Associate Professor of Theology
Albert K. Wimmer, Associate Professor of German Language and Literature
Robin Darling Young, Associate Professor of Theology
Katherine G. Zieman, Assistant Professor of English

Philosophy

Chair:
Richard Cross

Director of Graduate Studies:
Sean Kelsey

Telephone: (574) 631-4278
Fax: (574) 631-0588
Location: 100 Malloy Hall
E-mail: ndphilo@nd.edu
Web: http://www.nd.edu/~ndphilo

The Master of Arts

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<td></td>
<td>Candidacy examination</td>
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Students are admitted to the doctoral program in the philosophy program, but may receive a non-research M.A. upon successful completion of the written Ph.D. candidacy examination (history exam) and 27 credit hours of graduate course work.

The faculty as a whole periodically evaluates the progress of all students. Evaluations focus on students’ performance in courses, in non-course requirements, and in their roles as teaching assistants and teachers. If
the faculty judge at any stage that a student's progress is unsatisfactory, the student may be required to terminate his or her graduate studies.

A student who does not receive permission to proceed to doctoral candidacy upon evaluation may receive a non-research M.A. degree in philosophy after finishing 27 credit hours of graduate course work and passing a special M.A. oral candidacy examination.

### Degree Requirements

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<td>Courses</td>
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<td>Candidacy examinations</td>
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<td>Doctoral dissertation</td>
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For the doctorate a student must complete 42 credit hours of graduate course work. Students who enter the doctoral program with an M.A. are normally excused from 6 to 12 credit hours of graduate course work. Any philosophy graduate student is permitted to take up to 6 credit hours of approved undergraduate course work in philosophy and up to 6 credit hours of course work in related fields to satisfy the 42 credit hours. Those who choose to concentrate in such specialized fields as logic and philosophy of science may be required to take courses in other departments in support of their specialization. Students are expected to maintain a minimum B average in all of their course work.

In general, course requirements should be satisfied within the first two years, and must be satisfied within the first three years. For specific course and seminar requirements, see the program handbook.

### Candidacy Examination

At the end of the summer following the first year of coursework, students are required to take a written exam in the history of philosophy. The exam is given in two parts, with three hours covering ancient and medieval philosophy, and three hours covering modern philosophy.

Early in the third year, the student and his or her chosen adviser begin work on a program of independent reading in preparation for the oral comprehensive examination. This examination must be taken before the end of the sixth semester. See the program handbook for an updated list of areas of concentration available for examination and subsequent dissertation research.

This history examination and the oral comprehensive examination constitute the candidacy examination for the Ph.D.

### Qualifying Papers

Two qualifying papers, each evaluated by a faculty member chosen by the students with the approval of the DGS. The two papers must be evaluated by different faculty members. This requirement must be satisfied by the mid-point of the student’s fourth semester.

### Language Requirements

Most students will require expertise in a foreign language, typically at least one of French, German, Greek, and Latin, in order to complete their research and to have the capacity for further scholarly work in their field. The dissertation director and director of graduate studies will determine in each case the level of expertise required, and the student will not be permitted to defend the dissertation until demonstrating that level of expertise. The usual way of demonstrating sufficient expertise is by passage of the departmental translation exam by the end of the semester after the semester in which the dissertation proposal is approved. In individual cases, passage of the exam prior to approval of the dissertation proposal may be required.

### Dissertation Proposal and Completion

A dissertation proposal must be approved by the student's proposal committee by the end of the seventh semester. Once the dissertation proposal is approved, a meeting is scheduled for the student and the committee in order for the committee to provide guidance concerning the research and writing of the dissertation.

### Teaching and Research Faculty

- Karl Ameriks, the McMahon-Hank Professor and Fellow in the Nanovic Institute for European Studies
- Robert Audi, the John A. O’Brien Professor of Philosophy
- Timothy Bays, Associate Professor
- Patricia A. Blanchette, Professor
- Katherine Brading, Director of Graduate Studies in History and Philosophy of Science and William J. and Dorothy K. O’Neill Associate Professor of Philosophy
- Anjan Chakravartty, Professor
- Richard Cross, Chair and the John A. O’Brien Professor of Philosophy
- Cornelius F. Delaney, Professor
- Michael R. De Paul, Professor
Philosophy • Romance Languages and Literatures

Michael Detlefsen, McMahon-Hank Professor of Philosophy
Stephen D. Dumont, Professor
Thomas P. Flint, Professor
Curtis Franks, Assistant Professor
Alfred J. Freddoso, the John and Jean Oesterle Professor of Thomistic Studies
Gary M. Gutting, Notre Dame Professor of Philosophy and Fellow in the Nanovic Institute for European Studies
Don A. Howard, Director of The Reilly Center for Science, Technology and Values and Professor
Rev. John I. Jenkins, C.S.C., President of the University and Professor
Lynn Joy, Professor
Joseph Karbowski, Assistant Professor
Sean Kelsey, Director of Graduate Studies and Associate Professor
Janet Kourany, Associate Professor
Michael J. Loux, the George N. Shuster Professor of Philosophy Emeritus
Alasdair MacIntyre, Rev. John A. O’Brien Senior Research Professor of Philosophy Emeritus
Samuel Newlands, Associate Professor
John O’Callaghan, Associate Professor
David K. O’Connor, Associate Professor of Philosophy and Concurrent Associate Professor of Classics
Alvin Plantinga, the John A. O’Brien Professor of Philosophy Emeritus
Grant Ramsey, Assistant Professor
Michael C. Rea, Director of the Center for Philosophy of Religion and Professor
Fred Rush, Associate Professor
Kenneth M. Sayre, Professor
Kristin Shrader-Frechette, the F. J. and H. M. O’Neill Professor of Philosophy, Concurrent Professor of Biological Sciences, and Fellow in the Joan B. Kroc Institute for International Peace Studies
William D. Solomon, Associate Professor and the W. P. and H. B. White Director of the Center for Ethics and Culture
Jeffrey Speaks, John A. O’Brien Associate Professor of Philosophy
James P. Sterba, Professor and Fellow in the Joan B. Kroc Institute for International Peace Studies
Leopold Stubenberg, Associate Professor
Meghan Sullivan, Assistant Professor
Peter van Inwagen, the John Cardinal O’Hara Professor of Philosophy
Ted A. Warfield, Professor
Stephen H. Watson, Professor
Paul J. Weithman, Professor

Web: http://romancelanguages.nd.edu/

The Master of Arts

<table>
<thead>
<tr>
<th>Degree Requirements</th>
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<tbody>
<tr>
<td>Courses</td>
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<td>Admission to candidacy</td>
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<td>Qualifying examination</td>
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<tr>
<td>Foreign language requirement</td>
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<tr>
<td>Candidacy examination</td>
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</table>

The program in romance languages and literatures offers master’s degrees in French and Francophone studies, Italian studies, and Iberian and Latin American studies. Each student is encouraged to work closely with his/her adviser to design a course of study to suit individual needs, interests, and future goals.

All candidates for an advanced degree are expected to take a minimum of 30 credit hours of courses in their field of specialization, including “Introduction to Literary Criticism” and a graduate course in comparative Romance literature. See the program handbook for additional details on course requirements.

During the second semester of the first year of graduate study, the student must pass an oral qualifying examination. The master’s candidate will choose from a selection of texts and must demonstrate competency in analyzing a literary text in the target language before the graduate faculty. At this time, faculty members will discuss and evaluate the student’s performance in the master’s program.

Before taking the comprehensive written examination at the end of the second year, the student must demonstrate competency in a second foreign
Romance Languages and Literatures • Theology

language by passing a reading exam or through successful completion of appropriate course work. Additional details on the comprehensive examinations are available in the program handbook.

Students preparing for a career in teaching have the opportunity to teach several language courses before completion of the master's degree. A preliminary workshop, “Methods of Foreign Language Teaching” and “Practicum in Teaching” are required of all graduate teaching assistants.

Combined B.A./M.A. Program

The Department of Romance Languages and Literatures offers its majors in French, Italian, and Spanish the opportunity to participate in its graduate program through a combination B.A./M.A. degree in the language of their major. This program requires students to complete a first major in a chosen language (i.e., at least 30 hours of course work) during the normal four-year undergraduate period, followed by a total of 30 credit hours of graduate courses taken during the fourth and fifth years in residence. Six credit hours will be counted toward both the undergraduate and the graduate degrees. During their senior year, participants in this program complete two graduate courses, take the qualifying exam given to all first-year graduate students, and apply to the Graduate School for admission during the spring semester. B.A./M.A. students are eligible for a teaching fellowship during their fifth year that includes a tuition waiver and a generous teaching stipend. Well-qualified students who are interested in this program should contact the director of graduate studies or the graduate coordinator in their chosen language at the beginning of their junior year.

Teaching and Research Faculty

José Anadón, Professor of Spanish
Thomas F. Anderson, Professor of Spanish
Zygmunt Baranski, Notre Dame Professor of Dante and Italian Studies
Maureen B. McCann Boulton, Professor of French
Theodore J. Cache Jr., Chair, Professor of Italian
JoAnn DellaNeva, Professor of French
Julia V. Douthwaite, Professor of French
Isabel Ferreira Gould, Assistant Professor of Portuguese and Brazilian Studies
Sabrina Ferri, Assistant Professor of Italian
Ben A. Heller, Associate Professor of Spanish
Kristine L. Ibsen, Professor of Spanish
Carlos Jerez-Farrán, Professor of Spanish Language and Literature
Carlos Jáuregui, Associate Professor of Spanish
Encarnación Juárez-Almendros, Associate Professor of Spanish
Louis A. MacKenzie Jr., Associate Professor of French
Christian R. Moews, Associate Professor of Italian
Marisel Moreno-Anderson, Assistant Professor of Spanish
Vittorio Montemaggi, Assistant Professor of Religion and Literature
Maria Rosa Olivera-Williams, Associate Professor of French
Catherine Perry, Associate Professor of French
Alison Rice, Associate Professor of French
Dayle Seidenspinner-Núñez, Associate Dean, College of Arts and Letters, and Professor of Spanish
Alain P. Toumayan, Director of Graduate Studies, Professor of French
Juan Vitulli, Assistant Professor of Spanish
John P. Welle, Professor of Italian

Theology

Chair:
J. Matthew Ashley

Director of Ph.D. Program:
Joseph Wawrykow

Director of M.A. Program:
Catherine Cavadini

Director of M.Div. Program:
Rev. Msgr. Michael Heintz

Director of M.S.M. Program:
Margot Fassler

Director of M.T.S. Program:
David A. Clairmont

Telephone: (574) 631-7811
Fax: (574) 631-4291
Location: 130 Malloy Hall
E-mail: theo.1@nd.edu
Web: http://theology.nd.edu
The **Master of Arts** (M.A.) in theology is a 42 credit-hour terminal degree for individuals who desire advanced theological training. Graduates of this program should be able to serve as theological resources in a variety of settings. Recipients of this degree will have received instruction in the classical areas of theological inquiry while acquiring expertise in one.

There are several areas of concentration for the M.A. in theology: general studies, biblical studies, catechesis studies, history of Christianity, liturgical studies, moral theology, systematic theology, and studies in spirituality.

M.A. students may take courses during the summer and/or academic year for credit towards their degree. In addition to completing the course requirements, students are expected to pass a set of comprehensive exams, comprised of written and oral exams based on topics chosen by the student and bibliographies approved by the area adviser and the M.A. director.

Those needing a more general and flexible program of studies may pursue a general M.A. program, in which the course of study is planned in consultation with the director. The sole requirement is the inclusion of at least one course in each area of study. This may be of particular interest to those teaching theology in high school who wish to use the M.A. to enhance their effectiveness in teaching in a number of different areas.

For specific course, concentration and exam requirements, see the program handbook.

The **Master of Divinity** (M.Div.) is a professional theological degree designed to prepare students for learned and effective ministry in the Roman Catholic Church, either as priests or as professional lay ministers. The studies of Scripture, the history of Christian tradition, systematic theology, liturgy, and Christian ethics are joined to field experience, training in pastoral skills, and vocational formation to form a comprehensive ministerial curriculum. Thus, the M.Div. aims at a comprehensive, holistic integration of the intellectual, pastoral, human and spiritual dimensions.

The **Program of Studies**

The program of studies leading to the M.Div. degree encompasses 83 semester credits and normally extends over six semesters.

For specific course and credit requirements, refer to the program handbook.

Field Education

Field education serves as an integral component in the theological and pastoral education of ministry students, as well as to their spiritual formation and vocational preparation. It provides those preparing for ministry varied opportunities for acquiring ministerial skills, for integrating their ministerial experiences through theological reflection, and ultimately for developing their ministerial identities. To make these opportunities possible, field education consists of the following:

- weekly service at a ministerial site during each of the three academic years in the M.Div. program;
- regular individual supervision with an experienced mentor at the ministry site;
- weekly seminars utilizing case study method and conversations about contemporary theological and ministerial issues.

**Formation**

All M.Div. students participate in a program of human and spiritual formation suited to their particular vocational preparation, either as seminarians or as candidates for lay ministry. With the guidance of spiritual directors and formators, students are mentored in the life of faith, in their personal growth and in their vocational discernment. Regular joint formation events are held bringing all constituencies of the program together around shared issues and themes.

The **Master of Sacred Music**

For specific course, concentration and exam requirements, see the program handbook.
The Master of Sacred Music (M.S.M.) is a 48 credit-hour ministerial leadership program that prepares students for pastoral liturgical music ministry. The graduate program is administered in the Department of Theology and overseen by an interdepartmental committee (Music/Theology); accreditation is granted through the Association of Theological Schools (A.T.S.). Following the principles of the document *Sing to the Lord* (USCCB, 2008), the program is multi-disciplinary, embracing in particular three dimensions: music, liturgy, and pastoral practice. The program strives to integrate these three dimensions, grounding the student professionally in liturgical music as a ministry.

Students are required to give two recitals or one recital and an oral comprehensive exam or the equivalent (to be administered in the final semester).

For specific course and credit requirements, refer to the program handbook.

**Master’s Colloquium**

Each year several master’s colloquia address issues common to both liturgy and the sacred arts. These colloquia ground the interdisciplinary ethos of the programs, and draw the faculty and students into on-going dialogue. Attendance is mandatory for all M.S.M. students.

**Practicum**

M.S.M. students will benefit from supervised pastoral placement for four semesters in the following places: Basilica of the Sacred Heart, local churches, or residence halls.

The Master of Theological Studies (M.T.S.) program trains graduate students for future doctoral work in the various disciplines within the study of theology. The M.T.S. is a 48-credit-hour degree designed to give students exposure to the full range of theological studies while also allowing them to develop competence in an area of concentration and to improve their language abilities. Along with two years of full-time course work, the M.T.S. also includes participation in the master’s colloquium, competency in one modern language, and the completion of a comprehensive oral exam to be given at the end of the second year of course work. The areas of Biblical studies and history of Christianity also have ancient language requirements.

In all there are five areas of concentration in the M.T.S. program. Students must take at least 15 credit hours in the area of their concentration, and may take Ph.D seminars, provided they first secure the permission of the course instructor and the M.T.S director.

In order to introduce every M.T.S. student to a wide range of theological education, each area of study also involves requirements in other areas.

For specific course, concentration, language and exam requirements, see the program handbook.

The Doctor of Philosophy

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<th>Degree Requirements</th>
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<td>Foreign language requirement</td>
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<td>Candidacy examination</td>
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</table>

The doctoral program requires 42 credit hours of course work. Students must specialize in one of six areas of concentration:

- Christianity and Judaism
- the history of Christianity
- liturgical studies
- moral theology/Christian ethics
- systematic theology,
- world religions and world Church

Within the program areas, students concentrate their course work in a major field. These major fields are defined as follows: Christianity and Judaism in antiquity, Hebrew Bible and Judaism, New Testament and early church, history of Christianity, early Church, medieval studies, Reformation and modern studies, liturgical studies, moral theology/Christian ethics, systematic theology, and world religions and world Church.

**Residency**

Students are expected to take 14 courses during two years of residency: eight of these must be in the major field of study; three must be outside the major fields; and three are electives.

Those students who enter with a master’s degree or its equivalent may seek immediate admission to residency.
Language Requirement

Students are required to pass examinations in three languages, Greek or Latin, French, and German. Students in systematic theology may substitute Spanish for French or German.

For specific details on language requirements by area of study, see the program handbook.

The language requirement should be fulfilled as soon as possible and must be fulfilled by the fall of the third year.

Independent Study

After the period of course work, students spend a period of time, normally nine months, of independent study organized around a series of topics. These topics are meant to expand the students’ intellectual breadth and skills and involve matters of inquiry that extend beyond their course work. After consultation with the adviser, the student will propose a series of 10 topics, seven in the major field of study and three outside the major field. At least one of the topics in the major field will deal with the subject on which the student intends to write a dissertation. The program of independent study is approved by a committee and forms the basis for candidacy examinations.

Candidacy Examinations

Offered in October and March, the examinations are usually taken in the second semester after the two-year residency and completion of the language requirements.

The exams consist of three days of written examinations and a 90-minute oral examination. Successful completion of the written examinations is required for admission to the oral examination.

The Dissertation

The dissertation proposal is to be submitted by the beginning of the semester following oral candidacy examinations.

The completed dissertation must be defended and submitted within eight years of matriculation into the program.

Ph.D. in Theology and Peace Studies Joint Program

In addition to the six major areas of concentration, the Department of Theology offers a Ph.D. in Theology and Peace Studies in partnership with Notre Dame’s Kroc Institute for International Peace Studies. The degree includes a course of integrated studies so that graduates are fully credentialed in both theology and interdisciplinary peace research. The requirements for the Ph.D. in Theology and Peace Studies include the following: a minimum of 24 graded hours of credit in theology in one of the areas of concentration, and 18 graded hours in peace studies. Students will meet the theology department’s minimal language requirements of two modern research languages (typically French and German) and one classical language (Latin or Greek).

Teaching and Research Faculty

Gary Anderson, Professor

J. Matthew Ashley, Chair and Associate Professor

Ann W. Astell, Professor

David Aune, the Walter Professor of Theology

Yury Avvakumov, Assistant Professor

John C. Cavadin, Professor of Theology

David A. Clairmont, Director of the M.T.S. Program and Associate Professor

Lawrence S. Cunningham, the John A. O’Brien Professor of Theology

Rev. Brian Daley, S.J., the Catherine F. Huisking Professor of Theology

Mary Rose D’Angelo, Associate Professor

Rev. Michael S. Driscoll, Director of M.S.M. Program and Associate Professor

Celia Deane-Drummond, Professor

Rev. John S. Dunne, C.S.C., the John A. O’Brien Professor of Catholic Theology

Rev. Virgilio Elizondo, Notre Dame Professor of Pastoral and Hispanic Theology

David Fagerberg, Associate Professor

Margot Fassler, Keough-Hesburgh Professor of Music History and Liturgy; Co-Director of the MSM Program

Rev. Daniel G. Groody, C.S.C., Associate Professor

Rev. Gustavo Gutierrez, O.P., John Cardinal O’Hara Professor of Theology

M. Catherine Hilkert, O.P., Professor

Maxwell Johnson, Professor

M. Cathleen Kaveny, the John P. Murphy Foundation Professor of Law and Professor of Theology

Rev. Paul Kollman, C.S.C., Associate Professor

Rev. Paul F. Bradshaw, Professor

Robert A. Krieg, Professor
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>Blake Leyerle</td>
<td>Associate Professor and Concurrent Associate Professor of Classics</td>
</tr>
<tr>
<td>Bradley J. Malkovsky</td>
<td>Associate Professor</td>
</tr>
<tr>
<td>Timothy Matovina</td>
<td>Professor</td>
</tr>
<tr>
<td>Rev. Richard P. McBrien, the Crowley-O’Brien Professor of Theology</td>
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<tr>
<td>Gerald McKenny</td>
<td>Associate Professor</td>
</tr>
<tr>
<td>John Meier</td>
<td>Professor</td>
</tr>
<tr>
<td>Leon J. Mertensotto, C.S.C.,</td>
<td>Associate Professor</td>
</tr>
<tr>
<td>Candida R. Moss</td>
<td>Professor</td>
</tr>
<tr>
<td>Francesca Murphy</td>
<td>Professor</td>
</tr>
<tr>
<td>Michael (Tzvi) Novick, Jordan Capson</td>
<td>Chair in Jewish Studies and Assistant Professor</td>
</tr>
<tr>
<td>Rev. Paulinus I. Odozor, C.S.Sp.,</td>
<td>Associate Professor</td>
</tr>
<tr>
<td>Cyril O’Regan, the Catherine F. Huisking Professor of Theology</td>
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<tr>
<td>Rev. Hugh Rowland Page Jr., Dean of the First Year of Studies and</td>
<td>Associate Professor</td>
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<tr>
<td>Associate Professor</td>
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<tr>
<td>Margaret R. Pfieil</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>Jean Porter, the John A. O’Brien Professor</td>
<td></td>
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<tr>
<td>Gabriel Said Reynolds, Director of M.T.S. Program and Associate</td>
<td></td>
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<tr>
<td>Professor</td>
<td></td>
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<tr>
<td>Maura A. Ryan, Associate Dean of Arts and Letters and Associate</td>
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<tr>
<td>Professor of Theology</td>
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<tr>
<td>Lawrence E. Sullivan, Professor and Interim Director of Graduate</td>
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<tr>
<td>Eugene C. Ulrich, the Rev. John A. O’Brien Professor of Old Testament</td>
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<tr>
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<tr>
<td>James C. VanderKam, the John A. O’Brien Professor of Hebrew</td>
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<tr>
<td>Scriptures</td>
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<tr>
<td>Joseph P. Wawrykow</td>
<td>Associate Professor</td>
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<tr>
<td>Todd D. Whitmore</td>
<td>Associate Professor</td>
</tr>
<tr>
<td>Abraham Winitzer</td>
<td>Professor</td>
</tr>
<tr>
<td>Robin Darling Young</td>
<td>Associate Professor</td>
</tr>
<tr>
<td>Randall C. Zachman</td>
<td>Professor</td>
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</tbody>
</table>
APPLIED AND
COMPUTATIONAL
MATHEMATICS AND
STATISTICS

Chair:
Steven Buechler

Director of Ph.D. Program:
Mark Alber

Director of the M.S. Professional
Program:
James Dillon Delaney

Telephone: (574) 631-8630
Fax: (574) 631-4822
Location: 153 Hurley Hall
E-mail: acms@nd.edu
Web: http://acms.nd.edu/

The Master of Science
(Professional Degree)

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The professional master of science degree in Applied and Computational Mathematics and Statistics trains students in the mathematical, statistical and computational tools used in finance, computational biology or other technical fields. The intensive 10-month program combines coursework, projects in the student’s chosen area of employment, and practical business training. Most students will seek employment immediately upon completion of this degree. A student applies specifically for admission to this program.

The Doctor of Philosophy

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<th>Degree Requirements</th>
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Students in the doctoral program are required to complete at least 18 credits of ACMS courses at the graduate level in the first four semesters of study to remain in good standing. At the discretion of the DGS, at most six credits of graduate level courses transferred from another university may be counted toward the required ACMS course work, for a student without a completed master’s degree. For a student with a completed master’s degree, the DGS will determine the number of transferred credits applied to the required ACMS course work.

For additional course-related requirements, refer to the program handbook.

Written examinations are normally taken at the end of the fall semester of the first year, and must be completed by the end of the first year, except for students transferring from another program. The oral candidacy examination, taken after the written candidacy examination, focuses on an “advanced” topic.
The Master of Science

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<th>Degree Requirements</th>
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<tr>
<td>Master's thesis</td>
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</table>

The master's degree is a 30-credit-hour program requiring the satisfactory completion of a minimum of 15 credit hours of course work, passing a research proposal review, and completing a suitable master's thesis. A student may include nine of the 30 credit hours in thesis research.

The Doctor of Philosophy

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<th>Degree Requirements</th>
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<td>Courses</td>
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<td>Doctoral dissertation</td>
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</table>

For the degree of doctor of philosophy, the student is expected to complete a 60-credit-hour requirement. This is composed of at least 24 credit hours of course work and the remainder as dissertation research. The student must pass a comprehensive examination consisting of both an oral and a written examination. After the student is admitted to candidacy, he or she must then defend and submit a written dissertation.

Students in the doctoral degree program must also fulfill a one-year teaching requirement that usually involves assisting in the instruction of undergraduate or graduate laboratory courses. This requirement may be automatically fulfilled if the student has a graduate assistantship for financial aid.
Biological Sciences ~ Chemistry and Biochemistry

Charles F. Kulpa Jr., Professor
Gary A. Lamberti, Chair and Professor
Shaun Lee, Assistant Professor
Lei Li, Associate Professor
David M. Lodge, Ludmilla F. and Stephen J. Galla Professor II
Mary Ann McDowell, Associate Professor
Jason S. McLachlan, Assistant Professor
Edwin Michael, Professor
Miguel Morales, Assistant Professor
Joseph E. O'Tousa, Professor
Zainulabeuddin Syed, Assistant Professor
Jennifer L. Tank, the Galla Professor of Biological Sciences

Chemistry and Biochemistry

Chair:
Kenneth W. Henderson

Director of Graduate Studies:
Steven A. Corcelli

Telephone: (574) 631-0977
Fax: (574) 631-6652
Location: 251 Nieuwland Science
E-mail: chemistry@nd.edu or biochemistry@nd.edu
Web: http://chemistry.nd.edu or http://biochemistry.nd.edu

The Master of Science

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The program in chemistry and biochemistry does not admit students directly into a master of science (M.S.) program. However, students who have not passed the academic and research progress (ARP) examination in their third semester may be required to leave the Ph.D. program with a master’s degree.

At the discretion of the adviser and only with the adviser’s financial support, a student who fails the exam and is moved into the M.S. program may have the option of completing a thesis in the adviser’s laboratory. In such a case, provided the adviser is willing and able to provide funding, the student may remain in the program until completion of the thesis or the end of the fifth year, although the student may choose to leave with a non-research M.S. at any time.

If the adviser is unable or unwilling to act as the student’s thesis director, a non-research M.S. degree is available, provided the student has completed the course work requirements and has attempted the ARP examination.

Following the recommendation of the student’s adviser and committee, it may be possible for a student who has completed a thesis to re-enter the doctoral program, pending approval by the director of graduate studies or the department chair. A student who has re-entered the Ph.D. program will receive written confirmation from the director of graduate studies.

The Doctor of Philosophy

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<tbody>
<tr>
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Graduate students pursuing a Ph.D. in chemistry or biochemistry must complete at least 18 credits of course work prior to the end of their third semester. A combined total of 90 credits are required; this total includes all courses taken, including not only instructional coursework, but research, seminars, directed readings, etc. The program may accept course work completed at another accredited university toward meeting the requirements for either doctoral degree.

To continue in the Ph.D. program, students must pass the academic and research progress (ARP) exam. The
ARP exam is taken during a student’s third semester; to be eligible for the exam, the student must be in good academic standing in the department. The exam consists of a written document and an oral defense in front of the student’s committee.

Admission to candidacy for the Ph.D. occurs after completion of written and oral examinations in the area of specialization. Once admitted to candidacy, the student must then write, defend and submit a doctoral dissertation to complete the degree requirements.

### Teaching and Research Faculty

<table>
<thead>
<tr>
<th>Name</th>
<th>Title/Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brandon Ashfeld</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>Brian M. Baker</td>
<td>Associate Professor</td>
</tr>
<tr>
<td>Paul Bohn</td>
<td>Arthur J. Schmitt Professor</td>
</tr>
<tr>
<td>Seth N. Brown</td>
<td>Professor</td>
</tr>
<tr>
<td>Ian C. Carmichael</td>
<td>Professor and Director of Radiation Laboratory</td>
</tr>
<tr>
<td>Francis J. Castellino</td>
<td>Dean Emeritus of Science, the Kleiderer-Pezold</td>
</tr>
<tr>
<td></td>
<td>Professor of Biochemistry, and Director of the Keck</td>
</tr>
<tr>
<td></td>
<td>Center for Transgene Research</td>
</tr>
<tr>
<td>Patricia L. Clark</td>
<td>Rev. John Cardinal O’Hara Associate Professor</td>
</tr>
<tr>
<td>Steven A. Corcelli</td>
<td>Associate Professor and Director of Graduate Studies</td>
</tr>
<tr>
<td>Xavier Creary</td>
<td>the Charles L. Huisking Sr. Professor</td>
</tr>
<tr>
<td>Norman Dovichi</td>
<td>Grace-Rupley Professor</td>
</tr>
<tr>
<td>Jennifer L. DuBois</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>Haifeng Gao</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>J. Daniel Gezelter</td>
<td>Associate Professor</td>
</tr>
<tr>
<td>Holly V. Goodson</td>
<td>Associate Professor</td>
</tr>
<tr>
<td>Gregory V. Hartland</td>
<td>Professor</td>
</tr>
<tr>
<td>Paul Helquist</td>
<td>Professor</td>
</tr>
<tr>
<td>Kenneth W. Henderson</td>
<td>Professor and Chair</td>
</tr>
<tr>
<td>Paul W. Huber</td>
<td>Professor</td>
</tr>
<tr>
<td>Amanda Hummon</td>
<td>the Walther Cancer Institute Assistant Professor of Biochemistry</td>
</tr>
<tr>
<td>Vlad M. Iluc</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>Prashant V. Kamar</td>
<td>Professor</td>
</tr>
<tr>
<td>S. Alex Kandel</td>
<td>Associate Professor</td>
</tr>
<tr>
<td>M. Kenneth Kuno</td>
<td>Associate Professor</td>
</tr>
<tr>
<td>A. Graham Lappin</td>
<td>Professor</td>
</tr>
<tr>
<td>Marya Lieberman</td>
<td>Associate Professor</td>
</tr>
<tr>
<td>Joseph P. Marino</td>
<td>Professor</td>
</tr>
<tr>
<td>Marvin J. Miller</td>
<td>the George and Winifred Clark Professor of Chemistry</td>
</tr>
<tr>
<td>Shahriar Mobashery</td>
<td>the Navari Family Professor in Life Sciences</td>
</tr>
<tr>
<td>Jeffrey W. Peng</td>
<td>Associate Professor</td>
</tr>
<tr>
<td>W. Robert Scheidt</td>
<td>the William K. Warren Professor of Chemistry and Biochemistry</td>
</tr>
<tr>
<td>Zachary Schultz</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>Anthony S. Serianni</td>
<td>Professor</td>
</tr>
<tr>
<td>Slavi C. Sevov</td>
<td>Professor</td>
</tr>
<tr>
<td>Bradley D. Smith</td>
<td>Professor</td>
</tr>
<tr>
<td>Sharon Stack</td>
<td>Professor</td>
</tr>
<tr>
<td>Franklin (Feng) Tao</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td>Richard E. Taylor</td>
<td>Professor</td>
</tr>
<tr>
<td>Olaf G. Wiest</td>
<td>Professor</td>
</tr>
</tbody>
</table>

### Integrated Biomedical Sciences

**Chair:** Richard Taylor

**Director of Graduate Studies:** Brian M. Baker

**Telephone:** (574) 631-9810

**Fax:** (574) 631-6652

**Location:** 451 Stepan Chemistry

**E-mail:** ibms@nd.edu

**Web:** [http://ibms.nd.edu/](http://ibms.nd.edu/)

### Degree Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
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<td>Other</td>
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<td>Original research proposal exam</td>
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<tr>
<td></td>
<td>Candidacy examinations</td>
</tr>
<tr>
<td></td>
<td>Doctoral dissertation</td>
</tr>
</tbody>
</table>

The Integrated Biomedical Sciences Ph.D. is an interdisciplinary program that offers students the opportunity to participate in research that crosses home department boundaries. All IBMS students admitted to the program ultimately identify themselves with one of seven research and training clusters, depending on their interests.

During their first academic year (August through May), students are...
exempt from teaching assistant duties, and participate in three successive ten-week research rotations. The rotations, performed in laboratories chosen by the student, allow students to directly engage in research, contributing to the scientific investigations ongoing in each laboratory. The three rotations expose students to a range of complementary biomedical research and allow students to learn a variety of experimental techniques.

IBMS students are expected to complete at least 24 credit hours of course work. During the first year, this includes general courses relevant to the general conduct of biomedical research as well as courses specific to each research and training cluster. After the first year, students take course work further tailored to their needs and interests, selected in consultation with their adviser. Biomedical research ethics is emphasized early in the program.

Most students will have completed their courses by the end of their second year, permitting dissertation research to proceed full-time.

Candidacy examinations and dissertation requirements follow the traditions and formats currently in place in the research director’s home department.

**The Master of Science: Global Health (Professional Degree)**

<table>
<thead>
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<th>Degree Requirements</th>
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<tbody>
<tr>
<td>Courses</td>
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<td>Other</td>
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</tbody>
</table>

The master of science in global health (MSGH) professional degree is normally completed within one calendar year. The program requires course work to be completed over two semesters, followed by 6–8 weeks of field experience in a resource-poor location where access to health care is limited. Finally, students are required to submit and present a master’s research project, which is a scholarly report based on original research or literature-based research.

**Master of Science in Patent Law**

Prior to working as a registered patent agent, one’s legal knowledge is assessed by the Patent Bar examination, administered by the United States Patent and Trademark Office (USPTO). However, the USPTO does not offer a course to prepare an individual to pass the Patent Bar. Notre Dame’s Master of Science in Patent Law program provides students with a science or engineering background the legal skills necessary to pass the Patent Bar and to succeed as a patent agent.

An interdisciplinary mix of patent law and rigorous science and/or engineering courses, the one-year program’s curriculum incorporates both graduate-level continuing education within a student’s scientific or engineering specialty, and a complete patent legal education.

Classes are modularly designed, and convey the skills necessary to pass the Patent Bar administered by the USPTO, while also providing students with the research, writing, and professional skills critical to their success in the practice of patent law. For specific details on curriculum requirements, refer to the program handbook.

As part of their course work, students complete a capstone project in two stages. Utilizing concepts taught in the course work, students research, analyze, and evaluate a seed idea in their technical field. The final project for the fall semester is a written summary...
of the analysis, in the form of a legal corporate deliverable, summarizing the disclosed invention, the related art that the student identified, potential issues with the technology, and strategies for overcoming any obstacles. In the spring the semester, the student drafts a complete, fileable patent application based on the technology.

After completion and successful defense of the capstone project, students will take part in a mock Patent Bar examination.

**M.S. in Patent Law**

**Mathematics**

Chair: Matthew Gursky

Director of Graduate Studies: Julia Knight

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Fax: (574) 631-6579
Location: 255 Hurley Hall
E-mail: math@nd.edu
Web: http://math.nd.edu

**The Master of Science**

<table>
<thead>
<tr>
<th>Degree Requirements</th>
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<tbody>
<tr>
<td>Courses</td>
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<td>Total</td>
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<tr>
<td>Other</td>
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</table>

A student who is working toward a Ph.D. in mathematics may qualify for a master of science degree along the way, if he or she has accumulated 30 credit hours, has passed the written candidacy examination, and has either passed the oral candidacy examination or (without passing) exhibited sufficient knowledge to obtain a positive recommendation from the examiners.

Students are not normally admitted directly to the master’s program.

**The Doctor of Philosophy**

<table>
<thead>
<tr>
<th>Degree Requirements</th>
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<tbody>
<tr>
<td>Courses</td>
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<td>Total</td>
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<tr>
<td>Other</td>
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</table>

Students in the doctoral program are expected to complete at least 36 credit hours of course work and four consecutive semesters of full-time study. Accordingly, first-year students have no teaching duties.

The written candidacy examinations are taken by the beginning of the second year. The oral candidacy examination is taken during the second year.

Once the student is admitted to degree candidacy, he or she must write, defend and successfully submit a doctoral dissertation to complete the requirements for the Ph.D.

Most students complete the program within five years; some finish in four years.

For more information on course and program requirements, see the program handbook.

**Teaching and Research Faculty**

Katrina D. Barron, Assistant Professor
Nero Budur, H.J. Kenna Assistant Professor
Peter Cholak, Professor

Francis X. Connolly, Professor
Jeffrey Diller, Professor
William G. Dwyer, the William J. Hank Family Professor of Mathematics

Matthew J. Dyer, Associate Professor
Samuel Evens, Associate Professor
Leonid Faybusovich, Professor
David Galvin, Assistant Professor
Michael Gekhtman, Professor
Karsten Grove, the Rev. Howard J. Kenna, C.S.C Professor
Matthew Gursky, Chair and Professor
Alexander J. Hahn, Director of the Kaneb Center for Teaching and Learning and Professor

Brian Hall, Professor
Qing Han, Professor
A. Alexandrou Himonas, Professor
Richard Hind, Associate Professor
Julia F. Knight, Director of Graduate Studies and the Charles L. Huisking Professor of Mathematics
Francois Ledrappier, the John and Margaret McAndrew Professor of Mathematics

Arthur Lim, Associate Professor
Xiaobo Liu, Professor
Juan C. Migliore, Professor
Gerard K. Misiolek, Professor
Liviu Nicolaescu, Professor
Anne Pilkington, Associate Professor
Claudia Polini, Rev. John Cardinal O’Hara, C.S.C. Professor of Mathematics
Mathematics • M.D./Ph.D. Joint Degree Program • Physics

Mei-Chi Shaw, Professor
Brian Smyth, Professor
Dennis M. Snow, Professor
Nancy K. Stanton, Professor
Sergei Starchenko, Professor
Stephan A. Stolz, Professor
Gábor Székelyhidi, Assistant Professor
Laurence R. Taylor, Professor
E. Bruce Williams, Professor
Frederico J. Xavier, Professor
Robert V. Stahelin, Associate Professor
Tracy Vargo-Gogola, Assistant Professor
Peter Velazquez, Assistant Professor

M.D./Ph.D. Joint Degree Program

Director:
Rudolph M. Navari, M.D., Ph.D.

Telephone: (574) 631-5574
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Location: 1234 Notre Dame Ave.,
E-mail: rnavari@nd.edu
Web: http://medicine.iu.edu/south-bend

The Program of Studies

The University of Notre Dame Graduate School and the Indiana University School of Medicine — South Bend (IUSM – SB) offer a joint M.D./Ph.D. degree for exceptional students interested in academic medicine.

To earn the joint degree, students complete the first two years of medical school at IUSM – SB and continue at Notre Dame for three more years to pursue the University’s doctoral degree through the Graduate School. The last two years of medical school then will be completed at the Indiana University School of Medicine’s South Bend campus or any other School of Medicine campus throughout the state which offers the 3rd and 4th year. Since it is now possible to complete all four years of medical school in South Bend, the traditional schedule outlined above may be modified to pursue both the M.D. and the Ph.D. over a 6–7 year period.

Program descriptions and requirements for all of Notre Dame’s doctoral programs, may be found elsewhere in this Bulletin. Students in the M.D./Ph.D. program may pursue the doctoral degree in any of these disciplines.

Admission to the program requires separate applications to the Notre Dame Graduate School and the Indiana University School of Medicine. The Graduate School will accept MCAT scores in place of the GRE scores required of all applicants. The parallel applications are coordinated and tracked by the IUSM – SB which serves as the central office for the combined degree program. Representatives from Notre Dame and the I.U. School of Medicine monitor and oversee the program.

Teaching and Research Faculty

Suzanne S. Bohlson, Assistant Professor
Karen Cowden Dahl, Assistant Professor
Richard Dahl, Assistant Professor
Rudolph M. Navari, Professor
Jennifer Prosperi, Assistant Professor
Molly Duman Scheel, Assistant Professor
Patrick Sheets, Assistant Professor

The graduate program is primarily a doctoral program, leading to the degree of doctor of philosophy. The department ordinarily will not accept students who intend to complete only the master’s degree. However, a program leading to the degree of master of science is available; it involves satisfactory completion of graduate course work without any thesis requirement.

The Master of Science requirements:

<table>
<thead>
<tr>
<th>Degree Requirements</th>
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<tbody>
<tr>
<td>Courses</td>
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<tr>
<td>Total</td>
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<tr>
<td>Other</td>
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</tbody>
</table>

The master of science non-research program requires 30 credit hours of approved course work and the passing of an oral master’s examination. Each program of course work is chosen in consultation with a faculty adviser.
**The Doctor of Philosophy**

<table>
<thead>
<tr>
<th>Degree Requirements</th>
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<tbody>
<tr>
<td>Courses</td>
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<tr>
<td></td>
<td>Candidacy examinations</td>
</tr>
<tr>
<td></td>
<td>Doctoral dissertation</td>
</tr>
</tbody>
</table>

Requirements for the Ph.D. include a total of 60 credit hours in courses and research. For specific course requirements, see the program handbook.

There is no foreign language requirement for a Ph.D. in physics.

In addition to course work, there are three examinations to be passed for a Ph.D., a written qualifying examination on undergraduate physics, a written and oral Ph.D. candidacy examination, and an oral Ph.D. dissertation defense. Students first take the qualifying exam in the fall of their first year, and must pass it by the end of the second year. The candidacy examination is typically taken in the third year, after course work is complete.

To remain in good standing, students are required to: maintain a 3.0 grade point average, pass the qualifying examination by the end of the second year, pass the candidacy exams by the end of the fourth year, and defend and submit a doctoral dissertation by the end of the eighth year.

The minimum residence requirement for the Ph.D. degree is four consecutive semesters and may include summer session.

**Teaching and Research Faculty**

Mark Alber, Concurrent Professor

Ani Aprahamian, Frank M. Freimann Professor of Physics

Gerald B. Arnold, Professor

Dinshaw Balsara, Associate Professor

H. Gordon Berry, Professor

Ikaros I. Bigi, the Grace-Rupley II Professor of Physics

Howard A. Blackstead, Professor

Bruce A. Bunker, Professor

Mark A. Caprio, Assistant Professor

Philippe A. Collon, Associate Professor

Gregory P. Crawford, the W.K. Warren II Professor of Physics and Dean of the College of Science

Antonio Delgado, Assistant Professor

Malgorzata Dobrowolska-Furdyna, Rev. John Cardinal O’Hara, C.S.C. Professor of Physics

Morten R. Eskildsen, Associate Professor

Stefan G. Frauendorf, Professor

Jacek K. Furdyna, the Aurora and Tom Marquez Professor of Physics and Fellow of the Nanovic Institute for European Studies

Umesh Garg, Professor

Peter M. Garnavich, Professor

Michael D. Hildreth, Professor

Jay Christopher Howk, Associate Professor

Anthony K. Hyder, Professor and Associate Chair and Director of Undergraduate Studies

Boldizsár Jankó, Professor and Director of the Institute for Theoretical Sciences

James J. Kolata, Professor

Christopher F. Kolda, Professor

Kevin A. Lannon, Assistant Professor

A. Eugene Livingston, Professor

John M. LoSecco, Professor

Grant J. Mathews, Professor and Director of the Center for Astrophysics

Kathie E. Newman, Professor, Associate Chair and Director of Graduate Studies

Jeffrey W. Peng, Concurrent Associate Professor

Sylwia Ptasínska, Assistant Professor

Terrence W. Rettig, Professor

Randal C. Ruchti, Professor

Steven T. Ruggiero, Professor

Jonathan R. Sapirstein, Professor

Xiao-Dong Tang, Assistant Professor

Carol E. Tanner, Professor

Zoltán Toroczkai, Professor and Director of the Interdisciplinary Center for Network Science and Applications

Mitchell R. Wayne, Chair and Professor

Michael C. F. Wiescher, the Frank M. Freimann Professor of Physics, Director of the Joint Institute for Nuclear Astrophysics, and Director of the Institute for Structure and Nuclear Astrophysics
The Division of Social Sciences

Economics

Chair: Richard A. Jensen
Director of Graduate Studies: Michael J. Pries
Telephone: (574) 631-7698
Fax: (574) 631-4783
Location: 434 Flanner
E-mail: jrate@nd.edu
Web: http://economics.nd.edu

The Master of Arts

The economics program does not administer a stand-alone master of arts (M.A.) program, but allows students to apply for an M.A. should they choose to terminate their study in the Ph.D. program. The M.A. degree is awarded to those who successfully complete the core courses, pass the comprehensive exams at the M.A. level or better, and meet University requirements for the M.A.

<table>
<thead>
<tr>
<th>Degree Requirements</th>
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</thead>
<tbody>
<tr>
<td>Courses</td>
<td>24 credits</td>
</tr>
<tr>
<td>Total</td>
<td>30 credits</td>
</tr>
<tr>
<td>Other</td>
<td>Comprehensive examinations</td>
</tr>
</tbody>
</table>

The Doctor of Philosophy

For additional information regarding course work and project requirements, consult the program handbook.

To complete the requirements for the Ph.D., students must defend and submit a written doctoral dissertation. The expected time to completion of the Ph.D. is five years.

Examinations

Shortly after completing the core, students take comprehensive written exams in microeconomic and macroeconomic theory to assess the students’ command of the essential concepts and methods necessary to read the literature and to perform research at the disciplinary frontier. Possible outcomes of the comprehensive exams are (a) Ph.D. pass, (b) M.A. pass, (c) fail. Students who do not attain a Ph.D. pass in either examination have one opportunity for a retake later that summer, typically in August. Failure to pass both exams at the Ph.D. level results in dismissal from the program.

Students in the doctoral program in economics are expected to complete a minimum of 36 credit hours of approved course work at the graduate level to obtain the Ph.D. Satisfactory performance requires a grade of B- or better in each and every graduate course with a cumulative GPA of at least 3.0 (corresponding to the grade B).

There is no foreign language requirement for graduate students in economics.

Students commence their studies with a “core” group of required courses that should be completed the first year. During the second year, students begin to develop their field specializations through continued course work, and complete a research paper. From the fourth semester on (spring semester of the second year), the student will be required to participate in a research seminar in his or her chosen fields. Participation means presenting updates of the student’s own research and critically analyzing that of others.

For additional information regarding course work and project requirements, consult the program handbook.

To complete the requirements for the Ph.D., students must defend and submit a written doctoral dissertation. The expected time to completion of the Ph.D. is five years.

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Teaching and Research Faculty

Simeon Alder, Assistant Professor
Wyatt Brooks, Assistant Professor
Kasey Buckles, Assistant Professor
Kirk B. Doran, Assistant Professor
William N. Evans, the Keough-Hesburgh Professor of Economics
Robert Flood, Professor
Timothy Fuerst, the William and Dorothy O’Neill Professor of Economics
Antoine Gervais, Assistant Professor
Thomas A. Gresik, Professor
Andreas Hagemann, Assistant Professor
Daniel M. Hungerman, the Stepan Family Associate Professor of Economics
Terrence Johnson, Assistant Professor
Richard A. Jensen, Chair and the Gilbert Schaefer Professor of Economics
Joseph Kaboski, the David F. and Erin M. Seng Foundation Associate Professor of Economics
Steven Lugauer, Assistant Professor
William H. Leahy, Professor
Byung-Joo Lee, Associate Professor
Nelson C. Mark, the DeCrane Professor of International Economics
Michael J. Pries, Associate Professor and Director of Graduate Studies
Kali P. Rath, Associate Professor
Eric Sims, the Michael P. Grace II Assistant Professor of Economics

James X. Sullivan, Associate Professor
Jeffrey Thurk, Assistant Professor
Christopher J. Waller, Professor
Abigail Wozniak, Assistant Professor

Education

Director of the M.A. Program: Rev. Ronald J. Nuzzi
Director of the M.Ed. Program: Thomas L. Doyle
Director of Graduate Studies: Joyce Johnstone

Telephone: (574) 631-7052
Fax: (574) 631-7939
Location: 107 Carole Sandner Hall
E-mail: (M.A.) nuzzi.1@nd.edu
(M.Ed.) tdoyle1@nd.edu
Web: http://ace.nd.edu

The Master of Arts

<table>
<thead>
<tr>
<th>Degree Requirements</th>
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<tbody>
<tr>
<td>Courses</td>
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<tr>
<td>Other</td>
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</tbody>
</table>

The master of arts (M.A.) program prepares, educates, and supports selected Catholic school teachers to continue their service to K-12 schools through administrative formation in the Mary Ann Remick Leadership Program in the Alliance for Catholic Education (ACE). All program participants experience a graduate pro-

gram culminating in a master’s degree in educational administration and state licensure, as well as regular opportunities to interact with a national community of scholars in Catholic education.

The Mary Ann Remick Leadership Program is designed to prepare participants for service as school principals and to meet the professional standards for the principalship as defined by the Interstate School Leaders Licensure Consortium (ISSLC) and the Indiana Professional Standards Board (IPSB). The program is, therefore, standards-based, and all course activities and requirements are designed with this in mind. Between the second and third summers, participants are required to sit for and pass the School Leaders Licensure Assessment (SLLA).

M.A. students attend core courses primarily during the summer. A total of 42-credit hours of course work over a 26-month span are required, with an overall grade point of at least 3.0. For specific details regarding course requirements, consult the program handbook.

During the academic years between the first two summer sessions, each student travels to the K-12 school at which he or she has been accepted as an administrative intern and serves as a full-time teacher-administrator during the regular school year. In addition to their duties with the school, students will participate in distance learning courses directed at the areas of curricular instruction and professional supervision. Throughout the two school years, faculty and program directors provide on-line support and occasional site visits.
The Master of Education

The master of education (M.Ed.) program is available only to students enrolled in the Alliance for Catholic Education’s Service Through Teaching program. Students in this program work toward licensure, consistent with the standards in the state of Indiana, in each of the following areas: middle childhood (elementary education), early adolescence (middle school), adolescence and young adulthood (high school), English language arts, social studies, science, mathematics, and foreign languages. Like most teacher accreditation programs at the master’s level, content-area courses must be completed before entering the master’s program, which provides education course work only.

A total of 37 (41 for elementary) credit hours of course work and teaching experience are required, with an overall grade point of at least 3.0. Half of the course work will occur in two summer sessions, with 10 to 12 credits earned in each.

For specific details regarding course requirements, consult the program handbook.

M.Ed. students must complete two years of service in teaching with supervised teaching grades of not less than 3.0. The teaching portfolio is evaluated by both University faculty and master teachers, who provide recommendations for continued development. Students will acquire teaching practice both in South Bend-area elementary and secondary schools and at an assigned Catholic school in the southern United States. Throughout the two years, supervision is accomplished by measuring students against professional performance indicators while students build a teaching portfolio documenting their progress in developing as a teacher.

A key component of the Kroc M.A. program is the five-month field experience in which students integrate theories of peacebuilding with work in non-governmental organizations and other institutions concerned with conflict resolution, peace studies, economic development, human rights or justice. Only students who are unable to leave the United States because of visa or travel restrictions beyond their control are allowed to complete their field experience in the United States.

Peace Studies

The interdisciplinary master of arts (M.A.) degree program in peace studies is a rigorous academic program offered through the Joan B. Kroc Institute for International Peace Studies. Students are expected to complete at least 36 credits of course work in pursuit of the M.A., and must select a professional track: conflict analysis and transformation; policy analysis and political change; or organizational management and leadership.

The interdisciplinary master of arts (M.A.) degree program in peace studies is a rigorous academic program offered through the Joan B. Kroc Institute for International Peace Studies. Students are expected to complete at least 36 credits of course work in pursuit of the M.A., and must select a professional track: conflict analysis and transformation; policy analysis and political change; or organizational management and leadership.

The Doctor of Philosophy

The Kroc Institute for International Peace Studies at the University of Notre Dame offers a Ph.D. in peace studies in partnership with Notre Dame’s departments of history, political science, psychology, sociology, and theology. This program grows out of an acute awareness of the need for more rigorous interdisciplinary study of peace and war and for deeper understanding of how peacebuilding can effectively address political, ethnic, and religious violence throughout the world. Graduates of the Kroc Institute peace studies program will be fully cre-
dentialed in one of the five associated disciplines, plus be fully acquainted with the research questions and findings of interdisciplinary peace research.

### Ph.D. in History and Peace Studies

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<th>Degree Requirements</th>
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<tbody>
<tr>
<td>Courses</td>
<td>48 credits</td>
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<td>Total</td>
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<td>Foreign language requirement</td>
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<td>Candidacy examinations</td>
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<td>Doctoral dissertation</td>
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The requirements for the Ph.D. in History and Peace Studies include: a minimum of 48 course credits; proficiency in English and one or two other languages (depending on the specialty within history); two history research seminar papers; a master’s paper of publishable quality (although this would not necessarily be an official master’s thesis); a comprehensive examination in two areas plus a third area of course work; and a dissertation of original research.

For specific details regarding course requirements, consult the program handbook.

Students take five comprehensive exams, three in history and two in peace studies; alternately, one of the five exam fields may be a crossover field involving both disciplines and directed by a history professor who is a Kroc fellow. Of the primary history fields, two must be in the student’s major area (United States, modern Europe, Latin America, or medieval), and the third will be created by the student in consultation with and approval of the two directors of graduate studies. At least one of the two peace studies fields will be based on one of the peace studies foundational courses.

### Ph.D. in Political Science and Peace Studies

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<th>Degree Requirements</th>
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<tr>
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<td>Candidacy examinations</td>
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<td>Doctoral dissertation</td>
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In this program, basic requirements include a minimum of 60 course credits; proficiency in English and one other language; a master’s paper of publishable quality (although this would not necessarily be an official master’s thesis); a comprehensive examination in two areas plus a third area of course work; and a dissertation of original research.

Students complete all existing regular political science requirements, take peace studies courses as the third area of specialization, plus three additional peace studies courses.

For specific details regarding course requirements, consult the program handbook.

### Ph.D. in Psychology and Peace Studies

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<th>Degree Requirements</th>
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<tbody>
<tr>
<td>Courses</td>
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<tr>
<td>Total</td>
<td>93 credits</td>
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<td>Candidacy examinations</td>
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<tr>
<td>Master’s thesis</td>
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<td>Doctoral dissertation</td>
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In this program, basic requirements normally include: a minimum of 60 course credits; proficiency in English and one other language; an empirical master’s thesis; a comprehensive examination in developmental psychology (or other mutually agreed upon field in the department); and a dissertation of original research.

For specific details regarding course requirements, consult the program handbook.

### Ph.D. in Sociology and Peace Studies

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<th>Degree Requirements</th>
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<tbody>
<tr>
<td>Courses</td>
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<td>Candidacy examinations</td>
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<td>Doctoral dissertation</td>
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Students must earn a minimum of 57 course credits; demonstrate proficiency in English and one other language; write a master’s paper of publishable quality; pass comprehensive examinations in two specialty areas (one of which must be a substantive area in sociology—which does not include the methods and statistics area or the theory area); and write a dissertation of original research.

For specific details regarding course requirements, consult the program handbook.

### Ph.D. in Theology and Peace Studies

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<th>Degree Requirements</th>
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<tbody>
<tr>
<td>Courses</td>
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<td>Candidacy examinations</td>
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<td>Doctoral dissertation</td>
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The combined theology and peace studies program includes a course of integrated studies so that graduates are fully credentialed in both theology and

...
interdisciplinary peace research. The requirements for the Ph.D. include: a minimum of 42 course credits; and proficiency in two modern research languages (typically French and German) and one classical language (Latin or Greek).

For specific details regarding course requirements, consult the program handbook.

Core Faculty
Scott Appleby, John M. Regan Jr. Director; Professor of History
Catherine Bolten, Assistant Professor of Anthropology and Peace Studies
David Cortright, Director of Policy Studies
Hal Culbertson, Executive Director
Larissa Fast, Assistant Professor of Conflict Resolution
Pamina Firchow, Associate Director of Doctoral Studies
Gary Goertz, Professor of Political Science and Peace Studies
Robert C. Johansen, Professor Emeritus of Political Science
Madhav Joshi, Research Assistant Professor, Associate Director of the Peace Accords Matrix
Emmanuel Katongole, Associate Professor of Theology and Peace Studies

Julie Macfarlane, Adjunct Professor of the Practice
Bernie Mayer, Adjunct Professor of the Practice
Erik Melander, Senior Research Fellow
Mary Ellen O’Connell, Research Professor of International Dispute Resolution
A. Rashied Omar, Research Scholar of Islamic Studies and Peacebuilding
Atalia Omer, Assistant Professor of Religion, Conflict, and Peace Studies
Daniel Philpott, Associate Professor of Political Science
Gerard F. Powers, Director of Catholic Peacebuilding Studies
Patrick Regan, Professor of Political Science and Peace Studies
Jason A. Springs, Assistant Professor of Religion, Ethics and Peace Studies
Susan M. St. Ville, Director of the Master’s Program
Ernesto Verdeja, Assistant Professor of Political Science and Peace Studies
Peter Wallensteen, Richard G. Starmann Sr. Research Professor of Peace Studies

The Master of Arts

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<td>Courses</td>
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The Political Science Department does not normally admit students to the master of arts program; however, students do have the option to complete the requirements for a non-research or research master of arts (M.A.) degree along the way to the Ph.D.

To obtain the non-research M.A., students must complete a minimum of 30 hours in course credits and must pass a comprehensive written examination in their major field. A minimum of 12 hours of course work is required in the major field, and a minimum of nine in a second field.

For the research M.A., students must complete all of the non-research degree requirements and submit a written master’s thesis.

Web: http://politicalscience.nd.edu

The primary aim of the graduate program in political science is to train qualified candidates for research and teaching. The department offers five major subfields for the master of arts (M.A.) and doctor of philosophy (Ph.D.) degrees:

- American politics;
- comparative politics;
- constitutionalism, law, and politics;
- international relations;
- political theory.
The Doctor of Philosophy

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<th>Degree Requirements</th>
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<td>Courses</td>
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<td>Doctoral dissertation</td>
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Ph.D. students are expected to complete at least 48 credit hours of coursework. For specific course and seminar requirements, consult the program handbook.

In addition, political science candidates must successfully pass a reading exam in one foreign language or two additional courses in quantitative methods (ESL students are exempted), and are expected to submit two papers to scholarly journals. A major grant application may substitute for one submission.

During their time in residency, students should expect to provide four semesters of service to the program, usually as a teaching assistant.

To complete the degree requirements, each student must defend and submit a doctoral dissertation.

Teaching and Research Faculty

Eileen M. Hunt Botting, Associate Professor
David E. Campbell, Professor
Michael Coppedge, Professor
Darren Davis, Professor
Patrick Deneen, Associate Professor
Michael Desch, Professor and Chair
Rev. Robert Dowd, C.S.C., Assistant Professor
Amitava Krishna Dutt, Professor
Gary Goertz, Professor
Andrew Gould, Associate Professor
Alexandra Guisinger, Assistant Professor
Tin-bor Victoria Hui, Associate Professor
Debra Javeline, Associate Professor
Robert Johansen, Professor Emeritus
Mary M. Keys, Associate Professor
Geoffrey C. Layman, Professor and Director of Graduate Studies
Dan Lindley, Associate Professor
George A. Lopez, Theodore M. Hesburgh, C.S.C. Chair in Peace Studies and Professor
Scott Mainwaring, Eugene Conley Professor of Political Science and Director of the Kellogg Institute for International Studies
A. James McAdams, William M. Scholl Professor of International Affairs
Rev. Sean McGraw, C.S.C., Assistant Professor
Peter R. Moody, Jr., Professor

Vincent Phillip Munoz, Associate Professor
Monika Nalepa, Assistant Professor
David Nickerson, Associate Professor
Dianne Pinderhughes, President’s Distinguished Professor and Full Professor in the Department of Africana Studies
Daniel Philpott, Associate Professor
Emilia Powell, Assistant Professor
Benjamin Radcliff, Professor
Ricardo Ramirez, Associate Professor
Patrick Regan, Professor
John Roos, Professor Emeritus
Sebastian Rosato, Associate Professor
Rev. Timothy R. Scully, C.S.C., Professor
Naunihal Singh, Assistant Professor
Guillermo Trejo, Associate Professor
Dana Villa, Packey J. Dee Professor of Political Theory
Ernesto Verdeja, Assistant Professor
Christina Wolbrecht, Associate Professor
Catherine H. Zuckert, Nancy Reeves Dreux Professor
Michael P. Zuckert, Nancy Reeves Dreux Professor

Ruth Abbey, John Cardinal O’Hara, C.S.C. Associate Professor and Interim Chair
Peri E. Arnold, Professor
Sotirios A. Barber, Professor
Jaimie Bleck, Assistant Professor

Peter R. Moody, Jr., Professor
The graduate program in psychology is divided into doctoral graduate program areas: cognition, brain, and behavior; clinical; counseling; developmental; and quantitative. The counseling and clinical programs are accredited by the American Psychological Association (APA).

### The Master of Arts

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<th>Degree Requirements</th>
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The graduate program in psychology is primarily oriented toward the doctoral degree and consists of two stages. The first requires a minimum of 24 hours of course work and completing and defending a research-based master’s thesis.

For specific course requirements, consult the program’s handbook.

### The Doctor of Philosophy

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The second stage of the program ordinarily involves additional course work, research activity, practicum (where appropriate), and preparation for the doctoral preliminary examinations, followed by work on the dissertation and internship (in the counseling and clinical programs).

To fulfill the doctoral degree requirements, students must complete a total of 55 or more credit hours. Preliminary examinations and the oral dissertation proposal defense are ordinarily completed during the third or fourth year.

To complete the requirements for the Ph.D., students must defend and submit a doctoral dissertation. In the counseling and clinical programs, students are also required to complete an internship.

For additional details regarding courses and area-specific requirements, consult the program handbook.

### Teaching and Research Faculty

#### Cognition, Brain, and Behavior Program

James R. Brockmole, Associate Professor and Director of Graduate Studies

Laura A. Carlson, Professor and Associate Dean for Professional Development in the Graduate School

Charles R. Crowell, Associate Professor

Kathleen M. Eberhard, Associate Professor and Director of the Cognition, Brain, and Behavior Program

Bradley S. Gibson, Associate Professor

Jill Lany, Assistant Professor

Nicole M. McNeil, Associate Professor

Gabriel A. Radvansky, Professor

Michelle M. Wirth, Assistant Professor

#### Clinical Program

Thomas G. Burish, Professor and Provost

Lee Anna Clark, the William J. & Dorothy K. O’Neill Professor in Psychology

Joshua J. Diehl, the William J. Shaw Center for Children and Families Assistant Professor of Psychology

Gerald J. Haeffel, Associate Professor

George S. Howard, Professor, and Fellow in the Joan B. Kroc Institute for International Peace Studies

Anita E. Kelly, Professor

Thomas V. Merluzzi, Professor and Director of the Institute for Scholarship in the Liberal Arts

Scott M. Monroe, the William K. Warren Foundation Professor of Psychology and Director of Clinical Training

Irene J. Kim Park, Assistant Professor

Jessica Payne, Assistant Professor and the Nancy O’Neill Collegiate Chair in Psychology
Psychology • Sociology

Donald Pope-Davis, Vice President and Associate Provost, Professor of Psychology, Fellow in the Center for Social Concerns, and Fellow in the Institute for Educational Initiatives

Anne D. Simmons, Professor

David A. Smith, Professor

Kristin Valentino, the William J. Shaw Center for Children and Families Assistant Professor of Psychology

David Watson, the Andrew J. McKenna Family Professor of Psychology

Developmental Program

Cindy S. Bergeman, Professor

John G. Borkowski, the McKenna Family Professor of Psychology and Fellow in the Institute for Educational Initiatives

Julia M. Braungart-Rieker, Professor and Mary Hesburgh Flaherty and James F. Flaherty Collegiate Chair, Director for Center for Children and Families

Mark Cummings, Professor and the Notre Dame Chair in Psychology, and Fellow in the Joan B. Kroc Institute for International Peace Studies

Jeanne D. Day, Professor

Joshua J. Diehl, the William J. Shaw Center for Children and Families Assistant Professor of Psychology

Dawn M. Gondoli, Associate Professor and Director of the Developmental Program

Jill Lany, Assistant Professor

Daniel K. Lapsley, Professor and Department Chair, and Fellow of the Institute for Educational Initiatives and of the Center for Social Concerns

Nicole M. McNeil, Associate Professor

Darcia Narváez, Professor and Fellow of the Institute for Educational Initiatives, Institute of Latino Studies, the John J. Reilly Center for Science, Technology and Values, and of the Joan B. Kroc Institute for International Peace Studies

Julianne C. Turner, Associate Professor and Concurrent Associate Professor in the Institute for Educational Initiatives

Kristin Valentino, the William J. Shaw Center for Children and Families Assistant Professor of Psychology

Thomas L. Whitman, Professor Emeritus

Quantitative Program

Ying (Alison) Cheng, Assistant Professor

Gitta H. Lubke, the John Cardinal O’Hara, C.S.C. Associate Professor of Psychology and Director of the Quantitative Program

Scott E. Maxwell, Professor and the Matthew A. Fitzsimons Chair

Lijuan (Peggy) Wang, Assistant Professor

Ke-Hai Yuan, Professor

Guangjian Zhang, Assistant Professor

Sociology

Chair:
Rory McVeigh

Director of Graduate Studies:
William Carbonaro

Telephone: (574) 631-6463
Fax: (574) 631-9238
Location: 810 Flanner Hall
E-mail: soc@nd.edu
Web: http://sociology.nd.edu/

The Master of Arts

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The master of arts (M.A.) degree requires 30 hours of credit, of which six credit hours may be earned for the master’s thesis. All students must complete and defend a research thesis for the master’s degree.

For specific details regarding course and candidacy requirements, consult the program handbook.

The Doctor of Philosophy

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The doctoral program normally occupies six years of full-time work for students with the bachelor’s degree. Core requirements must be fulfilled in the first two years, according to scheduled sequencing. It is expected that the student will have completed all but the dissertation requirement by the conclusion of the fourth year of graduate study.

To fulfill the training and research requirements, each candidate must select two specialty areas and pass a comprehensive examination in each.

**Teaching and Research Faculty**

Joan Aldous, William R. Kenan Professor of Sociology  
Megan Andrew, Assistant Professor  
Mark Berends, Professor and Director of the Center for Research on Educational Opportunity  
Kraig Beyerlein, Assistant Professor  
Jorge A. Bustamante, Eugene Conley Professor of Sociology  
William J. Carbonaro, Director of Graduate Studies and Associate Professor  
Gilberto Cardenas, Professor, Assistant Provost and Director of the Institute for Latino Studies  
Kevin J. Christiano, Associate Professor  
Jessica Collett, Associate Professor  
Larissa Fast, Assistant Professor  
Robert Fishman, Professor  
David S. Hachen, Jr., Associate Professor  
Maureen Hallinan, the William P. and Hazel B. White Professor of Sociology  
Eugene Halton, Professor  
Sean Kelly, Assistant Professor  
Mary Ellen Konieczny, Assistant Professor  
Amy Langenkamp, Assistant Professor  
Omar Lizardo, Associate Professor  
Elizabeth McClintock, Assistant Professor  
Erin McDonnell, Assistant Professor  
Terence McDonnell, Assistant Professor  
Rory M. McVeigh, Chair and Professor  
Daniel J. Myers, Professor and Associate Provost for Faculty Affairs  
David Sikkink, Associate Professor  
Christian Smith, Professor and Director, Center for the Study of Religion and Society  
Lynette Spillman, Associate Professor  
Jason Springs, Assistant Professor  
Erika M. Summers-Effler, Associate Professor  
J. Samuel Valenzuela, Professor  
Andrew J. Weigert, Professor  
Michael R. Welch, Professor  
Richard Williams, Associate Professor
Childbirth and Adoption Accommodation Policy

Rationale

The following policy is intended to assist graduate students who are new parents. It is a supplement to the six week medical separation policy. Unlike the medical separation policy that covers any medical condition, this accommodation policy addresses a single set of circumstances: new parenthood. It is not a leave of absence; it is an accommodation. Students maintain their standing as students and are eligible for financial support.

Departments are encouraged to work out specific arrangements with students, on a case-by-case basis, within the broad framework of this policy.

Eligibility

All full-time students in good academic standing who are primary and full-time caregivers of a newborn child or a child less than 5 years old newly placed in the home are eligible. Students must have completed one semester and have been registered and enrolled for at least another semester prior to the request. Students may make use of the policy up to two times provided that at least one semester of full-time enrollment occurs between requests. Parents who are not the primary and full-time caregiver may apply for a leave of absence, but are not eligible for accommodation.

Accommodation in Comparison to Leave

This accommodation is intended to provide relief from full-time responsibilities while providing continuing financial support. It differs from a leave of absence in three ways.

First, in a leave of absence students are relieved of all responsibilities. If a student wishes to devote full-time care to a newborn or a newly adopted child, the student should request a leave of absence. Under this accommodation, students are relieved of full-time graduate studies/duties (such as teaching and research), of official academic exams (e.g., oral candidacy exams, master’s comprehensives, etc), and of coursework deadlines for one semester (16 weeks) during or immediately following the semester in which the birth or adoption occurs. The choice of the semester is the student’s. Students are expected to register and enroll full time and to remain engaged, if at a reduced level. Departments are encouraged to be as flexible as possible with the student seeking accommodation. This student’s assignments should allow for maximum flexibility in his/her schedule during the first 6 weeks after the child arrives. The amount of engagement and reduction in workload during the entire accommodation period (both prior to and after the birth or adoption of a child) should be specified in writing prior to the onset of the accommodation period. This agreement should then be approved and signed by the student, the student’s adviser, the departmental DGS and the chair or the graduate studies committee, and sent to the associate dean of students in the Graduate School for review. In the event that the student and department cannot reach a decision about an appropriate workload, the associate dean of students in the Graduate School should be consulted. The details of the agreement may be reassessed and revised after childbirth or adoption. Accommodated students should submit a brief written progress report to their advisers at the end of the accommodation period.

Second, a leave of absence stops the student’s eligibility clock; the accommodation extends it. In the case of a leave, a student still has eight years to fulfill all requirements and must meet all of the normal program and Graduate School deadlines. In the case of accommodation the student’s academic eligibility clock is extended by a semester, effectively adding a semester to the student’s eligible time to meet all degree requirements.

Third, students who elect to take a leave of absence forego financial support from the University. Students who elect to take accommodation will continue to receive financial support.

---

1. Students may take incompletes in courses or take a reduced course load; departments may still define these students as full-time, despite the credit hour reduction.
If, after the end of the accommodation period, the student wishes to have more time, he/she can apply for a leave of absence. The clock will stop, but so will funding. Students on leave may still enroll in the health insurance plan at their own expense.

**Funding**

Students who are fully-funded and who have not yet completed their 5th year of study will continue to be supported financially. They will continue to receive a stipend at the same level for the length of the accommodation (see below for possible exceptions), receive a tuition scholarship, and receive the health insurance subsidy from the Graduate School. Terminal master’s students, and students who have completed their 5th year of study, are eligible for the accommodation only, not for funding under this policy. Departments and advisers may provide funding in these cases if there are available resources.

There are two important limits: the total number of years of funding will not be extended and funding is for the academic year only.

- Teaching assistants will be relieved of all teaching duties. As stated above, they must continue to be intellectually engaged in the activities of the department and their research. Details of this engagement should be worked out in writing between the student and the department prior to the start of the accommodation.

- Students on research grants who wish to continue to receive full funding must follow the following guidelines. If the student is funded by a grant, the level of support is determined by the granting agency. If the student is expected to devote 50% or 75% of his/her former working hours to his/her research, the grant will pay 50% or 75% of her former stipend, assuming he/she works at full capacity during those reduced hours. The Graduate School will make up the difference between what the grant pays and the former stipend, up to 50% of the former stipend. If the grant funding is reduced below 50%, the Graduate School will still pay 50%.

  Details of the final arrangement should be worked out in writing between the student and the department prior to the start of the accommodation.

- If a student is funded by an external fellowship, the level of support is determined by the foundation. If the fellowship is reduced or eliminated as a result of a new child, the Graduate School will fund up to 50% of the student's former stipend under the fellowship. Questions should be directed to the Graduate School.

Parental relief cannot be combined with other funding.

**Notification:** Eligible students must notify their adviser, director of graduate studies and the associate dean of students in the Graduate School of their intent to use the accommodation policy at least 60 days prior to the expected date of childbirth or adoption. A form is available on the Graduate School website for this purpose.

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2. Those students for whom serving as a TA is a requirement must fulfill the requirement in a later semester.
the candidate’s scholarly grasp of the chosen research area and original contribution to knowledge.

Dissertation defenses will not be allowed to proceed until all reader’s reports have been received in the Graduate School at least two business days before the defense takes place.

Prior to the defense, committees should review departmental regulations for the conduct of the exam, the process of the exam, and voting procedures. Before the exam begins, they should inform the candidate of the process of the defense. After completion of the examination, the candidate should be asked to leave the room. Discussion of the candidate’s performance should then commence, with the committee ultimately voting on whether that performance merits a passing or failing grade. On a board of three, two votes are required to pass. On a board of four, three votes are required to pass. If a department chooses to have five members, four votes are required to pass. A written report of the results of the voting is sent immediately to the Graduate School by a member of the committee, normally the adviser.

In case of failure, the department chair, on the recommendation of a majority of the examiners, may authorize a retake of the defense if this is permitted by departmental regulations. An authorization for retake must be approved by the Graduate School. A second failure results in forfeiture of degree eligibility and is recorded on the candidate’s permanent record.

A candidate has the right to appeal the result of the defense to the Dean of the Graduate School on procedural grounds only, not on its substance or on his/her performance. If a retake is granted, an outside monitor appointed by the Graduate School must be present.

### Oral Candidacy Examination

The oral candidacy examination may serve several purposes. In part, it tests the candidate’s readiness for advanced research in the more specialized area(s) of his/her field. It may also be comprehensive. Successful passage indicates that, in the judgment of the committee, the candidate has an adequate knowledge of the basic literature, problems, and methods of his/her field to proceed to a dissertation. If the proposal defense is part of the oral exam, it should be a defense of a proposal and not of a completed dissertation.

Prior to the examination, committees should review departmental regulations for the conduct of the exam, the process of the exam, and voting procedures. Before the exam begins, they should inform the candidate of the process of the exam. After completion of the examination, the candidate should be asked to leave the room. Discussion of the candidate’s performance should then commence, with the committee ultimately voting on whether that performance merits a passing or failing grade. On a board of three, two votes are required to pass. On a board of four, three votes are required to pass. If a department chooses to have five members, four votes are required to pass. A written report of the results of the voting is sent immediately to the Graduate School by a member of the committee, normally the adviser.

In case of failure, the department chair, on the recommendation of a majority of the examiners, may authorize a retake of the examination if this is permitted by departmental regulations. An authorization for retake must be approved by the Graduate School. A second failure results in forfeiture of degree eligibility and is recorded on the candidate’s permanent record.
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