

# The Graduate School

## The Graduate School

We are delighted that you are considering MSU for your graduate education. Graduate school is a place where you will gain expertise in your field and prepare to become the scientists, engineers, nurses, educators, agronomists, artists and architects of tomorrow. When you become an MSU graduate student, you become an essential part of the university by conducting cutting edge research, assisting in instructional teaching, and making significant contributions to your field of study.

**Vision:** The Graduate School strives to foster an environment that produces outstanding graduate scholars who contribute new ideas and knowledge using creative and innovative approaches to solve challenges in an evolving world.

**Mission:** The Graduate School enriches the graduate student experience by providing excellent service, timely oversight, and relentless advocacy for student success.

Explore the Graduate School website (<http://www.montana.edu/gradschool>) to learn more about MSU's outstanding graduate programs and consider reaching out to the Graduate School with questions. We can also be reached at 406-994-4145, [gradschool@montana.edu](mailto:gradschool@montana.edu).

**For a reference, the master's, doctoral, and certificate offerings are listed below where you can click on their pages to learn more about each academic department.**

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### Department of Agricultural Economics and Economics (<http://www.montana.edu/econ>)

- Master of Science in Applied Economics (<http://www.montana.edu/econ/graduateprogram.html>)

### Department of Agricultural and Technology Education (<http://ageducation.montana.edu>)

- Master of Science in Agricultural Education (<http://catalog.montana.edu/graduate/agriculture/agricultural-education/ms-agricultural-education>)

### American Studies (<https://www.montana.edu/americanstudies>)

- Master of Arts in American Studies (<https://www.montana.edu/americanstudies/graduate.html>)
- Doctor of Philosophy in American Studies (<https://www.montana.edu/americanstudies/graduate.html>)s (<http://catalog.montana.edu/graduate/letters-science/american-studies/phd-philosophy-american-studies>)

### Department of Animal and Range Sciences (<http://animalrange.montana.edu>)

- Master of Science in Animal and Range Sciences (<http://animalrange.montana.edu/degrees-grad.html>)
- Master of Science in Land Rehabilitation (<http://landresources.montana.edu/grad/gradprogams.html#LAND>)(*Interdisciplinary*)
- Doctor of Philosophy in Animal and Range Sciences (<http://animalrange.montana.edu/degrees-grad.html>)

### School of Architecture (<http://arch.montana.edu>)

- (<http://arch.montana.edu/programs/graduate>)Master of Architecture (<http://catalog.montana.edu/graduate/arts-architecture/architecture/master-architecture>)

### School of Art (<http://art.montana.edu>)

- Master of Fine Arts (<http://art.montana.edu/mfa-program.html>)
- Master of Art in Art History (<http://art.montana.edu/ma-program.html>)

### Jake Jabs College of Business & Entrepreneurship (JJCBE) (<http://www.montana.edu/business>)

- Master of Professional Accountancy (<http://www.montana.edu/business/accounting/MPAc>)

### Chemical and Biological Engineering Department (<http://catalog.montana.edu/graduate/engineering/chemical-biological-engineering>)

- Master of Science in Chemical Engineering (<http://www.coe.montana.edu/grad>)
- Master of Science in Environmental Engineering (<http://www.coe.montana.edu/grad>)
- Master of Engineering In Chemical Engineering (<http://www.coe.montana.edu/grad>)
- Master of Engineering in Bioengineering (<http://www.coe.montana.edu/grad>)
- Doctor of Philosophy in Engineering (<http://www.coe.montana.edu/grad>)
- Doctor of Philosophy in Materials Science (<http://www.coe.montana.edu/grad>)

### Department of Chemistry and Biochemistry (<http://catalog.montana.edu/graduate/letters-science/chemistry-biochemistry>)

- Master of Science in Chemistry (<http://catalog.montana.edu/graduate/letters-science/chemistry-biochemistry/ms-chemistry>)
- Master of Science in Biochemistry (<http://catalog.montana.edu/graduate/letters-science/chemistry-biochemistry/ms-biochemistry>)
- Master of Science in Optics and Photonics Plan A (<http://catalog.montana.edu/graduate/engineering/electrical-computer-engineering/ms-optics-plan-a>)
- Master of Science in Optics and Photonics Plan B (<http://catalog.montana.edu/graduate/engineering/electrical-computer-engineering/ms-optics-plan-b>)
- Doctor of Philosophy in Chemistry (<http://catalog.montana.edu/graduate/letters-science/chemistry-biochemistry/phd-chemistry>)
- Doctor of Philosophy in Biochemistry (<http://catalog.montana.edu/graduate/letters-science/chemistry-biochemistry/phd-biochemistry>)
- Doctor of Philosophy in Materials Science (<http://catalog.montana.edu/graduate/letters-science/chemistry-biochemistry/phd-materials-science>)

### Civil Engineering Department (<http://www.montana.edu/ce>)

- Master of Science in Civil Engineering (<http://www.montana.edu/ce/grad>)
- Master of Science in Environmental Engineering (<http://www.montana.edu/ce/grad>)
- Master of Science in Land Rehabilitation (<http://www.montana.edu/ce/grad>)

- Doctor of Philosophy in Engineering (<http://www.montana.edu/ce/grad>) (*Options in Environmental Engineering, Civil Engineering, Applied Mechanics*)

### **Gianforte School of Computing (<https://www.cs.montana.edu>)**

- Master of Science in Data Science (<https://www.cs.montana.edu/grad>)
- Master of Science in Computer Science (<https://www.cs.montana.edu/grad>)
- Doctor of Philosophy in Computer Science (<https://www.cs.montana.edu/grad>)
- Seamless BS/MS in Computer Science (<https://www.cs.montana.edu/grad>)

### **Department of Earth Sciences (<http://www.montana.edu/earthsciences>)**

- Master of Science in Earth Sciences (<http://www.montana.edu/earthsciences/graduate-program>)
- Master of Science in Land Rehabilitation (<http://landresources.montana.edu/grad/gradprogams.html#LAND>) (*Interdisciplinary*)
- Doctor of Philosophy in Earth Sciences (<http://www.montana.edu/earthsciences/graduate-program>)

### **Department of Ecology (<http://www.montana.edu/ecology>)**

- Master of Science in Biological Sciences ([http://www.montana.edu/ecology/graduate\\_admissions.html](http://www.montana.edu/ecology/graduate_admissions.html))
- Master of Science in Fish and Wildlife Management ([http://www.montana.edu/ecology/graduate\\_admissions.html](http://www.montana.edu/ecology/graduate_admissions.html))
- Doctor of Philosophy in Fish and Wildlife Biology ([http://www.montana.edu/ecology/graduate\\_admissions.html](http://www.montana.edu/ecology/graduate_admissions.html))
- Doctor of Philosophy in Biological Sciences ([http://www.montana.edu/ecology/graduate\\_admissions.html](http://www.montana.edu/ecology/graduate_admissions.html))
- Doctor of Philosophy in Ecology and Environmental Sciences ([http://www.montana.edu/ecology/graduate\\_admissions.html](http://www.montana.edu/ecology/graduate_admissions.html)) (*Interdisciplinary*)

### **Department of Education (<http://catalog.montana.edu/graduate/education-health-human-development/education>)**

- Master of Arts in Teaching (Elementary or Secondary ) (<http://www.montana.edu/education/grad/mat>)
- Master of Education (MED)
  - Adult and Higher Education (<http://www.montana.edu/education/grad/ahe>)
  - Curriculum and Leadership (<http://www.montana.edu/education/grad/ci>)
  - Educational Leadership (<http://www.montana.edu/education/grad/edlead>)
- Doctor of Education (Ph.D. & Ed.D)
  - Adult and Higher Education (<http://www.montana.edu/education/grad/ahe>)
  - Curriculum and Instruction (<http://www.montana.edu/education/grad/ci>)
  - Educational Leadership (<http://www.montana.edu/education/grad/edlead>)
- Educational Specialist (EDS) ([http://www.montana.edu/education/grad/edlead/edlead\\_eds.html](http://www.montana.edu/education/grad/edlead/edlead_eds.html))
- College Teaching Certificate ([http://www.montana.edu/education/grad/ahe/ahe\\_ctc.html](http://www.montana.edu/education/grad/ahe/ahe_ctc.html))

- Library Media Certificate (<http://www.montana.edu/education/grad/librarymedia>)
- Superintendent Certificate Program ([http://www.montana.edu/education/grad/edlead/edlead\\_supt.html](http://www.montana.edu/education/grad/edlead/edlead_supt.html))

### **Department of Electrical and Computer Engineering (<http://ece.montana.edu>)**

- Master of Science in Electrical Engineering (<http://ece.montana.edu/grad>) (Plan A or B Options available)
- Master of Engineering in Electrical Engineering (<http://ece.montana.edu/grad>)
- Master of Science in Optics and Photonics (<http://catalog.montana.edu/graduate/engineering/electrical-computer-engineering/ms-optics-plan-a>) (Plan A or B Options available)
- Doctor of Philosophy in Engineering (<http://ece.montana.edu/grad>) (*Option in Electrical and Computer Engineering*)
- Doctor of Philosophy in Materials Science (<http://catalog.montana.edu/graduate/letters-science/chemistry-biochemistry/phd-materials-science>)

### **Department of English (<http://www.montana.edu/english>)**

- Master of Arts in English (<http://www.montana.edu/english/grad>)

### **School of Film and Photography (<http://sfp.montana.edu>)**

- Master of Fine Arts in Science and Natural History Filmmaking (<http://sfp.montana.edu/sciencenaturefilm>)

### **Department of Health and Human Development (<http://www.montana.edu/hhd>)**

- Addiction Counseling Certificate (<http://www.montana.edu/addictioncounseling>)
- Community Health (<http://www.montana.edu/hhd/graduate/communityhealth>)
- Counseling (Options in School, Mental Health and Marriage, Couples and Family) (<http://www.montana.edu/hhd/graduate>)
- Dietetics (<http://www.montana.edu/hhd/graduate/dietetics>)
- Exercise and Nutrition Sciences (<http://www.montana.edu/hhd/graduate/exerciseandnutrition>)
- Family & Consumer Sciences (<http://www.montana.edu/hhd/graduate>)
- Family Financial Planning (<http://www.montana.edu/online/degrees/ffp>)
- Sustainable Food Systems (<http://www.montana.edu/hhd/graduate>)

### **Department of History and Philosophy (<http://www.montana.edu/history>)**

- Master of Arts in History (<http://www.montana.edu/history/graduate.html>)
- Doctor of Philosophy in History (<http://www.montana.edu/history/graduate.html>)

### **Department of Land Resources and Environmental Sciences (<http://landresources.montana.edu>)**

- Master of Science in Entomology (<http://catalog.montana.edu/graduate/agriculture/land-resources-environmental-sciences/ms-entomology>) (*Coordinating department*)
- Master of Science in Land Rehabilitation (<http://landresources.montana.edu/grad>) (*Interdisciplinary*)
- Master of Science in Land Resources and Environmental Sciences (<http://catalog.montana.edu/graduate/agriculture/land-resources-environmental-sciences/ms-land-resources-environmental-sciences>)

- Doctor of Philosophy in Ecology and Environmental Sciences (<http://catalog.montana.edu/graduate/interdisciplinary-other-programs/phd-ecology-environmental-sciences>)

### **Department of Mathematical Sciences (<http://www.math.montana.edu>)**

- Master of Science in Data Science ([http://www.math.montana.edu/students/land\\_ms\\_datascience.html](http://www.math.montana.edu/students/land_ms_datascience.html))
- Master of Science in Mathematics (<http://catalog.montana.edu/graduate/letters-science/mathematical-sciences/ms-mathematics>)
- Master of Science in Mathematics, Education Option (<http://www.math.montana.edu/students/msmathed>)
- Master of Science in Statistics ([http://www.math.montana.edu/students/land\\_ms\\_stats.html](http://www.math.montana.edu/students/land_ms_stats.html))
- Doctor of Philosophy in Mathematics ([http://www.math.montana.edu/students/land\\_phd\\_math.html](http://www.math.montana.edu/students/land_phd_math.html))
- Doctor of Philosophy in Mathematics Education ([http://www.math.montana.edu/students/land\\_phd\\_mathed.html](http://www.math.montana.edu/students/land_phd_mathed.html))
- Doctor of Philosophy in Statistics ([http://www.math.montana.edu/students/land\\_phd\\_stats.html](http://www.math.montana.edu/students/land_phd_stats.html))
- Applied Statistics Certificate ([http://www.math.montana.edu/students/land\\_cert\\_stat.html](http://www.math.montana.edu/students/land_cert_stat.html))

### **Mechanical and Industrial Engineering Department (<http://www.montana.edu/mie>)**

- Master of Engineering in Mechanical Engineering (<http://www.montana.edu/mie/grad>)
- Master of Science in Mechanical Engineering (<http://catalog.montana.edu/graduate/engineering/mechanical-industrial-engineering/mechanical-engineering>)
- Master of Science in Industrial (<http://catalog.montana.edu/graduate/engineering/mechanical-industrial-engineering/industrial-engineering>) and Management Systems Engineering (<http://www.montana.edu/mie/grad>)
- Master of Science in Industrial and Management Systems Engineering - Accelerated one-year masters (<http://www.montana.edu/mie/grad>)
- Doctor of Philosophy in Mechanical Engineering (<http://catalog.montana.edu/graduate/engineering/engineering-phd>)
- Doctor of Philosophy in Industrial Engineering options (<http://www.montana.edu/mie/grad>)
- Doctor of Philosophy in Materials Science (<http://www.montana.edu/materials>)

### **Department of Microbiology and Immunology (<https://www.montana.edu/mbi/GraduateStudents.html>)**

- Master of Science in Biological Sciences (<http://catalog.montana.edu/graduate/letters-science/cell-biology-neuroscience/ms-biological-sciences>)
- M.S. in Microbiology & Immunology and Infectious Diseases (also options for a Plan A, thesis, or Plan B, (<http://catalog.montana.edu/graduate/agriculture/immunology-infectious-diseases/ms-immunology-infectious-diseases>) *professional paper*)
- Doctor of Philosophy in Biological Sciences (<http://catalog.montana.edu/graduate/letters-science/cell-biology-neuroscience/phd-biological-sciences>)
- Doctor of Philosophy in Microbiology & Immunology (<http://catalog.montana.edu/graduate/agriculture/immunology-infectious-diseases/phd-immunology-infectious-diseases>)

- Doctor of Philosophy in Neuroscience (<http://catalog.montana.edu/graduate/letters-science/cell-biology-neuroscience/phd-neuroscience>)

### **Molecular Biosciences Program (<http://mbprogram.montana.edu>)**

### **Department of Native American Studies (<http://www.montana.edu/nativeamerican>)**

- Master of Arts in Native American Studies (<http://www.montana.edu/nativeamerican/grad.html>)
- Online Certificate in Native American Studies (<http://www.montana.edu/nativeamerican/online.html>)

### **College of Nursing (<http://www.montana.edu/wwwnu>)**

- Master of Nursing (MN) (<http://www.montana.edu/nursing/graduate>)
- Doctor of Nursing Practice (DNP) Degree (<http://www.montana.edu/nursing/graduate/dnp.html>)
- Nursing Education Certificate (<http://catalog.montana.edu/graduate/nursing/online-certificate-nursing-education>)

### **Department of Physics (<http://physics.montana.edu>)**

- Master of Science in Physics (<http://catalog.montana.edu/graduate/letters-science/physics/ms-physics>)
- Doctor of Philosophy in Physics (<http://catalog.montana.edu/graduate/letters-science/physics/phd-physics>)
- Doctor of Philosophy in Materials Science (<http://www.montana.edu/materials>)
- Master of Science in Optics and Photonics (<http://www.physics.montana.edu/msoptics.html>)

### **Department of Plant Sciences (<http://plantsciences.montana.edu>)**

- Master of Science in Plant Pathology (<http://catalog.montana.edu/graduate/agriculture/plant-sciences-plant-pathology/ms-plant-pathology>)
- Master of Science in Plant Science (<http://catalog.montana.edu/graduate/agriculture/plant-sciences-plant-pathology/ms-plant-sciences>)
- Doctor of Philosophy in Plant Science (<http://catalog.montana.edu/graduate/agriculture/plant-sciences-plant-pathology/phd-plant-sciences>)

### **Department of Political Science (<http://www.montana.edu/politicalscience>)**

- Master of Public Administration (<http://www.montana.edu/politicalscience/graduate>)

### **Department of Psychology (<http://www.montana.edu/psychology>)**

- Doctor of Philosophy in Psychological Science (<http://catalog.montana.edu/graduate/letters-science/psychology/phd-psychology>) (<http://www.montana.edu/psychology/graduate.html>)

### **Master of Science in Science Education (<http://www.montana.edu/msse>)**

### **Interdisciplinary Programs**

- Doctor of Philosophy in Ecology and Environmental Sciences (<http://www.montana.edu/ecology/graduatedegrees.html#ECES>)
- Doctor of Philosophy in Individual Interdisciplinary (<http://www.montana.edu/gradschool/individualinterdisciplinaryphd>)

- Master of Science in Environmental Engineering ([http://www.montana.edu/ce/grad/application\\_details.html](http://www.montana.edu/ce/grad/application_details.html))
- Master of Science in Health Science (<http://www.montana.edu/hpa/graduate/msinhsprereq.html>)
- Master of Science in Land Rehabilitation (<http://landresources.montana.edu/grad/gradprogams.html#LAND>)(*Interdisciplinary*)
- Master of Science in Science Education (<http://www.montana.edu/msse>)
- Molecular Biosciences Program (<http://mbprogram.montana.edu>)
- Post Baccalaureate Pre-Medical Certificate (<http://www.montana.edu/hpa/postbacc>)
- WIMU Veterinary Medicine (<http://wimu.montana.edu>)
- WWAMI Medical Education Program (<http://www.montana.edu/wwami>)
- Doctor of Philosophy in Materials Science (<http://www.montana.edu/materials>)
- M.S in Optics and Photonics (<http://www.physics.montana.edu/msoptics.html>)

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### **Montana State Online (<http://www.montana.edu/online>)**

- Addiction Counseling Certificate (<http://www.montana.edu/addictioncounseling>)
- Master of Arts in Teaching (<http://www.montana.edu/education/grad/mat>)
- Master of Science in Agricultural Education (<http://www.montana.edu/online/degrees/agricultural-education>)
- Master of Education in Curriculum and Instruction ([http://www.montana.edu/education/grad/ci/ci\\_med.html](http://www.montana.edu/education/grad/ci/ci_med.html))
- Family Financial Planning (<http://www.montana.edu/online/degrees/ffp>)
- Master of Science in Land Resources and Environmental Sciences (<http://www.landresources.montana.edu/grad/online>)
- Mathematics Education Option (<http://www.math.montana.edu/students/msmathed>)
- Master of Science in Science Education (<http://www.montana.edu/msse>)
- Native American Studies (<http://www.montana.edu/nativeamerican/online.html>)
- Nursing Education (<http://www.montana.edu/nursing/graduate/elective.html>)
- School Library Media (<http://www.montana.edu/education/grad/librarymedia>)
- School Superintendent Certificate ([http://www.montana.edu/education/grad/edlead/edlead\\_supt.html](http://www.montana.edu/education/grad/edlead/edlead_supt.html))
- Science Teaching (<http://www.montana.edu/online/degrees/science-education>)

### **Font Notice**

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.