Undergraduate Programs

- College of Agriculture (p. 1)
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MSU-Bozeman offers a wide range of programs through its nine academic colleges. Specific degrees, majors, and options are listed under each college. By their junior year, earlier if possible, students will need to select a major; the choice should be based on interests and on plans for the future. Careful consideration should also be given to the courses offered in the major and the requirements for completing the program of study.

College of Agriculture (http://catalog.montana.edu/undergraduate/agriculture)

- Bachelor of Science in Agricultural Business (http://catalog.montana.edu/undergraduate/agriculture/agricultural-business)
  - Agribusiness Management Concentration
  - Farm and Ranch Management Concentration
- Bachelor of Science in Agricultural Education (http://catalog.montana.edu/undergraduate/agriculture/agricultural-education)
  - Agricultural Education Broadfield Teaching Option
  - Agricultural Communication, Leadership, and Extension Option
- Bachelor of Science in Animal Science (http://catalog.montana.edu/undergraduate/agriculture/animal-science)
  - Equine Science Option
  - Livestock Management and Industry Option
  - Science Option
- Bachelor of Science in Environmental Horticulture (http://catalog.montana.edu/undergraduate/agriculture/environmental-horticulture)
  - Environmental Horticulture Science Option
  - Landscape Design Option
- Bachelor of Science in Environmental Sciences (http://catalog.montana.edu/undergraduate/agriculture/environmental-sciences)
  - Environmental Biology Option
  - Environmental Science Option
  - Geospatial and Environmental Analysis Option
  - Land Rehabilitation Option
  - Soil and Water Sciences Option
- Bachelor of Science in Financial Engineering (http://catalog.montana.edu/undergraduate/engineering/mechanical-industrial-engineering/financial-engineering)
- Bachelor of Science in Microbiology (http://catalog.montana.edu/undergraduate/letters-science/microbiology)
  - Microbiology Pre-Veterinary Track
  - Bachelor of Science in Natural Resources and Rangeland Ecology (http://catalog.montana.edu/undergraduate/agriculture/natural-resources-rangeland-ecology)
    - Rangeland Ecology and Management Option
    - Wildlife Habitat Ecology and Management Option
- Bachelor of Science in Plant Science (http://catalog.montana.edu/undergraduate/agriculture/plant-science)
  - Crop Science Option
  - Plant Biology Option
  - Plant Biotechnology
- Bachelor of Science in Sustainable Food & Bioenergy Systems (http://catalog.montana.edu/undergraduate/agriculture/sustainable-food-bioenergy-systems)
  - Agroecology Option
  - Sustainable Crop Production Option
  - Sustainable Livestock Production Option
- Non-degree program
  - Pre-veterinary Medicine Program (http://catalog.montana.edu/undergraduate/agriculture/pre-veterinary-program)

College of Arts and Architecture (http://catalog.montana.edu/undergraduate/artsarchitecture)

- Bachelor of Arts in Art (http://catalog.montana.edu/undergraduate/artsarchitecture/art)
  - Art Education K-12 Broadfield Option
  - Art History Option
  - Liberal Arts Studio Option
- Bachelor of Fine Arts in Art (http://catalog.montana.edu/undergraduate/artsarchitecture/fine-arts)
  - Graphic Design Option
  - Studio Arts Option
- Bachelor of Arts in Environmental Design (http://catalog.montana.edu/undergraduate/artsarchitecture/environmental-design)
- Bachelor of Arts in Film and Photography (http://catalog.montana.edu/undergraduate/artsarchitecture/film-photography)
  - Film Option
  - Photography Option
- Bachelor of Arts in Music (http://catalog.montana.edu/undergraduate/artsarchitecture/music)
- Bachelor of Music Education (http://catalog.montana.edu/undergraduate/artsarchitecture/music/ba-music-education)
- Bachelor of Arts in Music Technology (http://catalog.montana.edu/undergraduate/artsarchitecture/music/ba-music-technology)

Jake Jabs College of Business & Entrepreneurship (http://catalog.montana.edu/undergraduate/business)

- Bachelor of Science in Business (http://catalog.montana.edu/undergraduate/business)
  - Accounting Option
  - Finance Option
  - Management Option
  - Marketing Option
College of Education, Health and Human Development (http://catalog.montana.edu/undergraduate/education-health-human-development)

- Bachelor of Science in Community Health (http://catalog.montana.edu/undergraduate/education-health-human-development/community-health-major)
- Bachelor of Science in Early Childhood Education and Child Services (http://catalog.montana.edu/undergraduate/education-health-human-development/early-childhood-education-child-services-major)
  - Child Development Option
  - Preschool-Age Three (P-3) Option
- Bachelor of Science in Elementary Education K-8 (http://catalog.montana.edu/undergraduate/education-health-human-development/elementary-education) (http://catalog.montana.edu/undergraduate/education-health-human-development/elementary-education)
  - Early Childhood Education Option
  - Mathematics Option
  - Science Education Option
  - Special Education Option
- Bachelor of Science in Food and Nutrition (http://catalog.montana.edu/undergraduate/education-health-human-development/food-nutrition-major)
  - Dietetics Option
  - Nutrition Science Option
- Bachelor of Science in Secondary Education (http://catalog.montana.edu/undergraduate/education-health-human-development/secondary-education)
  - General Science Broadfield Option
  - Social Studies Broadfield Option
  - (Departmental Teaching Options)
- Bachelor of Science in Health Enhancement K-12 (http://catalog.montana.edu/undergraduate/education-health-human-development/health-enhancement-k12-broadfield-major)
- Bachelor of Science in Health and Human Performance (http://catalog.montana.edu/undergraduate/education-health-human-development/health-human-performance-major)
  - Exercise Science Option
  - Kinesiology Option
- Bachelor of Science in Hospitality Management (http://catalog.montana.edu/undergraduate/education-health-human-development/hospitalitymanagement)
  - Food Enterprise
  - Lodging and Facilities
  - Restaraunt Management: Farm to Table
- Bachelor of Science in Human Development and Family Science (http://catalog.montana.edu/undergraduate/education-health-human-development/family-science-major)
  - Family and Consumer Sciences Education Option
  - Human Development and Family Science Option
- Bachelor of Science in Sustainable Food & Bioenergy Systems (http://catalog.montana.edu/undergraduate/education-health-human-development/sustainable-food-bioenergy-systems)
  - Sustainable Food Systems Option
- Bachelor of Science in Technology Education (http://catalog.montana.edu/undergraduate/education-health-human-development/technology-education)
  - Industrial Technology Option
  - Technology Education Broadfield Teaching Option

College of Engineering (http://catalog.montana.edu/undergraduate/engineering)

- Bachelor of Science in Biological Engineering (http://catalog.montana.edu/undergraduate/engineering/chemical-biological-engineering)
- Bachelor of Science in Chemical Engineering (http://catalog.montana.edu/undergraduate/engineering/chemical-biological-engineering)
- Bachelor of Science in Civil Engineering (http://catalog.montana.edu/undergraduate/engineering/civil-engineering)
- Bachelor of Science in Computer Engineering (http://catalog.montana.edu/undergraduate/engineering/computer-science)
  - Bachelor of Science Interdisciplinary Option
  - Bachelor of Science Professional Option
  - Bachelor of Arts in Computer Science
  - Seamless BS/MS in Computer Science
- Bachelor of Science in Construction Engineering Technology (http://catalog.montana.edu/undergraduate/engineering/construction-engineering)
- Bachelor of Science in Electrical Engineering (http://catalog.montana.edu/undergraduate/engineering/electrical-engineering)
- Bachelor of Science in Environmental Engineering
- Bachelor of Science in Financial Engineering (http://catalog.montana.edu/undergraduate/engineering/mechanical-industrial-engineering)
- Bachelor of Science in Industrial and Management Systems Engineering (http://catalog.montana.edu/undergraduate/engineering/mechanical-industrial-engineering)
- Bachelor of Science in Mechanical Engineering (http://catalog.montana.edu/undergraduate/engineering/mechanical-industrial-engineering)
- Bachelor of Science in Mechanical Engineering Technology (http://catalog.montana.edu/undergraduate/engineering/mechanical-industrial-engineering)
- Non-degree programs
  - Military Aerospace Studies (http://catalog.montana.edu/undergraduate/engineering/military-science-airforce-rotc) - Air Force ROTC
  - Military Science (http://catalog.montana.edu/undergraduate/engineering/military-science-army-rotc) - Army ROTC
College of Letters and Science (http://catalog.montana.edu/undergraduate/letters-science)

- Bachelor of Arts in American Studies (http://catalog.montana.edu/undergraduate/letters-science/american-studies)
- Bachelor of Arts in Asian Studies (http://catalog.montana.edu/undergraduate/letters-science/asian_studies)
- Bachelor of Science in Anthropology (http://catalog.montana.edu/undergraduate/letters-science/anthropology)
- Bachelor of Science in Biological Sciences (http://catalog.montana.edu/undergraduate/letters-science/biology)
- Bachelor of Science in Cell Biology and Neuroscience (http://catalog.montana.edu/undergraduate/letters-science/cell-biology-neuroscience)
- Bachelor of Science in Chemistry and Biochemistry (http://catalog.montana.edu/undergraduate/letters-science/chemistry-biochemistry)
- Bachelor of Science in Earth Sciences (http://catalog.montana.edu/undergraduate/letters-science/earth-sciences)
- Bachelor of Arts in English (http://catalog.montana.edu/undergraduate/letters-science/english)
- Bachelor of Arts in History (http://catalog.montana.edu/undergraduate/letters-science/history)
- Bachelor of Arts in Liberal Studies (http://catalog.montana.edu/undergraduate/letters-science/liberal-studies)
- Bachelor of Arts in Modern Languages and Literatures (http://catalog.montana.edu/undergraduate/letters-science/modern-languages-literatures)
- Bachelor of Arts in Philosophy (http://catalog.montana.edu/undergraduate/letters-science/philosophy)
- Bachelor of Arts in Political Science (http://catalog.montana.edu/undergraduate/letters-science/political-science)
- Bachelor of Science in Physics (http://catalog.montana.edu/undergraduate/letters-science/physics)
- Bachelor of Science in Psychology (http://catalog.montana.edu/undergraduate/letters-science/psychology)
- Bachelor of Science in Sociology (http://catalog.montana.edu/undergraduate/letters-science/sociology)
- Bachelor of Science in Urban Studies (http://catalog.montana.edu/undergraduate/letters-science/urban-studies)
- Bachelor of Science in Nursing (http://catalog.montana.edu/undergraduate/nursing)

College of Nursing (http://catalog.montana.edu/undergraduate/nursing)

- Bachelor of Science in Nursing (http://catalog.montana.edu/undergraduate/nursing)

Gallatin College (http://catalog.montana.edu/undergraduate/gallatin-college)

- Associate of Applied Science in Aviation (http://catalog.montana.edu/undergraduate/gallatin-college/workforce-programs/aviation)
Honors College (http://catalog.montana.edu/undergraduate/honors-college)

- Honors College provides academically motivated students with unique opportunities to undertake interdisciplinary coursework and undergraduate research leading to an Honors baccalaureate degree.
- Directed Interdisciplinary Studies (http://catalog.montana.edu/undergraduate/honors-college/dis)

University Programs (http://catalog.montana.edu/undergraduate/university-college)

- University Programs offers several important academic programs to students including the Undergraduate Scholars Program and Leadership Fellows. University Programs also includes the MSU Advising Center and the National Student Exchange.

Undergraduate Minors

Teaching Minors

A number of teaching minors are available for students majoring in Secondary Education or Elementary Education.

- Art (K-12) (http://catalog.montana.edu/undergraduate/artsarchitecture/art-education-k12-minor)
- Biology (5-12) (http://catalog.montana.edu/undergraduate/education-health-human-development/department-education/teaching-minors/biology-minor)
- Chemistry (5-12) (http://catalog.montana.edu/undergraduate/education-health-human-development/department-education/teaching-minors/chemistry-minor)
- Earth Science (5-12) (http://catalog.montana.edu/undergraduate/education-health-human-development/department-education/teaching-minors/earth-science-minor)
- Economics (5-12) (http://catalog.montana.edu/undergraduate/education-health-human-development/department-education/teaching-minors/economics-minor)
- French (K-12) (http://catalog.montana.edu/undergraduate/education-health-human-development/department-education/teaching-minors/french-k12-minor)
- German (K-12) (http://catalog.montana.edu/undergraduate/education-health-human-development/department-education/teaching-minors/german-k12-minor)
- Government (5-12) (http://catalog.montana.edu/undergraduate/education-health-human-development/department-education/teaching-minors/government-minor)
- History (5-12) (http://catalog.montana.edu/undergraduate/education-health-human-development/department-education/teaching-minors/history-minor)
- Mathematics (5-12) (http://catalog.montana.edu/undergraduate/education-health-human-development/department-education/teaching-minors/mathematics-minor)
- Physics (5-12) (http://catalog.montana.edu/undergraduate/education-health-human-development/department-education/teaching-minors/physics-minor)
- Reading (K-12) (http://catalog.montana.edu/undergraduate/education-health-human-development/department-education/teaching-minors/reading-k12-minor)
- Spanish (K-12) (http://catalog.montana.edu/undergraduate/education-health-human-development/department-education/teaching-minors/spanish-k12-minor)
- Technology Education (5-12) (http://catalog.montana.edu/undergraduate/education-health-human-development/department-education/teaching-minors/technology-education-minor)

- Non-teaching Minors

In addition to a major field of study, many students are now declaring a non-teaching minor. This is a secondary area of academic specialization. Some students use minors to expand their career opportunities, while others pursue minors in education. Students must submit an Application for a Minor to the Registrar’s Office two semesters prior to graduation. Below is a list of non-teaching minors currently available.
• Accounting (http://catalog.montana.edu/undergraduate/business/business-minors/accounting-minor)
• Aerospace (http://catalog.montana.edu/undergraduate/engineering/mechanical-industrial-engineering/aerospace-minor)
• Agricultural Business (http://catalog.montana.edu/undergraduate/agriculture/agricultural-business/minor-agricultural-business-nonteaching)
• Animal Science (http://catalog.montana.edu/undergraduate/agriculture/animal-science/animal-science-minor-nonteaching)
• Anthropology (http://catalog.montana.edu/undergraduate/letters-science/anthropology/anthropology-minor-nonteaching)
• Art History (http://catalog.montana.edu/undergraduate/artsarchitecture/art/art-history-minor-nonteaching)
• Asian Studies (http://catalog.montana.edu/undergraduate/letters-science/asian-studies-minor)
• Astrobiology (http://catalog.montana.edu/undergraduate/letters-science/ecology/astrobiology-minor)
• Biochemistry (http://catalog.montana.edu/undergraduate/letters-science/chemistry-biochemistry/biochemistry-minor-nonteaching)
• Building Energy Systems (http://catalog.montana.edu/undergraduate/engineering/mechanical-industrial-engineering/building-energy-systems-minor)
• Business Administration (http://catalog.montana.edu/undergraduate/business/business-minors/business-administration-minor)
• China Studies (http://catalog.montana.edu/undergraduate/letters-science/modern-languages-literatures/china-studies-minor-nonteaching)
• Chemistry (http://catalog.montana.edu/undergraduate/letters-science/chemistry-biochemistry/chemistry-minor-nonteaching)
• Coaching (http://catalog.montana.edu/undergraduate/education-health-human-development/health-human-development/coaching_minor)
• Computer Engineering (http://catalog.montana.edu/undergraduate/engineering/electrical-computer-engineering/computer-engineering/computer-engineering-nonteaching-minor)
• Computer Science (http://catalog.montana.edu/undergraduate/engineering/computer-science/computer-science-minor-nonteaching)
• Economics (http://catalog.montana.edu/undergraduate/letters-science/economics/economics-minor-nonteaching)
• Electrical Engineering (http://catalog.montana.edu/undergraduate/engineering/electrical-computer-engineering/electrical-engineering/electrical-engineering-nonteaching-minor)
• English Literature (http://catalog.montana.edu/undergraduate/letters-science/english/english-literature-minor-nonteaching)
• English Writing (http://catalog.montana.edu/undergraduate/letters-science/english/english-writing-minor)
• Entomology (http://catalog.montana.edu/undergraduate/agriculture/entomology-minor)
• Environmental Horticulture (http://catalog.montana.edu/undergraduate/agriculture/environmental-horticulture/environmental-horticulture-minor-nonteaching)
• Finance (http://catalog.montana.edu/undergraduate/business/business-minors/finance-minor)
• Financial Engineering (http://catalog.montana.edu/undergraduate/engineering/mechanical-industrial-engineering/financial-engineering-minor)
• French (http://catalog.montana.edu/undergraduate/letters-science/modern-languages-literatures/french-minor-nonteaching)
• Genetics (http://catalog.montana.edu/undergraduate/agriculture/genetics-minor)
• Geographic Information Science (GIS) (http://catalog.montana.edu/undergraduate/letters-science/earth-sciences/geographic-information-science-gis-minor-nonteaching)
• German (http://catalog.montana.edu/undergraduate/letters-science/modern-languages-literatures/german-minor-nonteaching)
• Global Studies (http://catalog.montana.edu/undergraduate/letters-science/liberal-studies/global-minor)
• Global Health (http://catalog.montana.edu/undergraduate/letters-science/liberal-studies/global-health)
• Hispanic Studies (http://catalog.montana.edu/undergraduate/letters-science/modern-languages-literatures/hispanic-studies-minor-nonteaching)
• History (http://catalog.montana.edu/undergraduate/letters-science/history/history-minor-nonteaching)
• Human Development (http://catalog.montana.edu/undergraduate/education-health-human-development/health-human-development/human_development_minor)
• Industrial and Management Systems Engineering (http://catalog.montana.edu/undergraduate/engineering/mechanical-industrial-engineering/eims-minor)
• International Business (http://catalog.montana.edu/undergraduate/business/business-minors/international-business-minor)
• Japan Studies (http://catalog.montana.edu/undergraduate/letters-science/modern-languages-literatures/japan-studies-minor-nonteaching)
• Land Surveying (http://catalog.montana.edu/undergraduate/engineering/civil-engineering/land-surveying-minor)
• Latin American and Latino Studies (http://catalog.montana.edu/undergraduate/letters-science/modern-languages-literatures/latin-american-latino-studies-minor-nonteaching)
• Materials (http://catalog.montana.edu/undergraduate/engineering/mechanical-industrial-engineering/materials-minor)
• Mathematics (http://catalog.montana.edu/undergraduate/letters-science/mathematical-sciences/mathematics-minor-nonteaching)
• Mechatronics (http://catalog.montana.edu/undergraduate/engineering/mechanical-industrial-engineering/mechatronics-minor)
• Microbiology (http://catalog.montana.edu/undergraduate/letters-science/microbiology/microbiology-minor-nonteaching)
• Military Studies (http://catalog.montana.edu/undergraduate/engineering/military-science/army-rotc)
• Museum Studies (http://catalog.montana.edu/undergraduate/letters-science/history/museum-studies-minor-nonteaching)
• Music (http://catalog.montana.edu/undergraduate/artsarchitecture/music/music-minor-nonteaching)
• Native American Studies (http://catalog.montana.edu/undergraduate/letters-science/native-american-studies/native-american-studies-minor-nonteaching)
• Natural Resources and Rangeland Ecology (http://catalog.montana.edu/undergraduate/agriculture/natural-resources-rangeland-ecology/natural-resources-rangeland-ecology-minor-nonteaching)
• Optics and Photonics (http://catalog.montana.edu/undergraduate/engineering/electrical-computer-engineering/electrical-engineering/optics-minor-nonteaching)
• Personal and Consumer Finance ([link](http://catalog.montana.edu/undergraduate/education-health-human-development/personal-finance))
• Philosophy ([link](http://catalog.montana.edu/undergraduate/letters-science/philosophy/philosophy-minor-nonteaching))
• Photography ([link](http://catalog.montana.edu/undergraduate/artsarchitecture/film-photography/photography-minor-nonteaching))
• Physics ([link](http://catalog.montana.edu/undergraduate/letters-science/physics/physics-minor-nonteaching))
• Political Science ([link](http://catalog.montana.edu/undergraduate/letters-science/political-science))
• Psychology ([link](http://catalog.montana.edu/undergraduate/letters-science/psychology/psychology-minor-nonteaching))
• Sociology ([link](http://catalog.montana.edu/undergraduate/letters-science/sociology/sociology-minor-nonteaching))
• Soil Science ([link](http://catalog.montana.edu/undergraduate/agriculture/environmental-sciences/soil-science-minor-nonteaching))
• Hispanic Studies ([link](http://catalog.montana.edu/undergraduate/letters-science/modern-languages-literatures/hispanic-studies-minor-nonteaching))
• Spatial Analysis/GIS ([link](http://catalog.montana.edu/undergraduate/letters-science/earth-sciences/geographic-information-science-gis-minor-nonteaching))
• Statistics ([link](http://catalog.montana.edu/undergraduate/letters-science/mathematical-sciences/statistics-minor-nonteaching))
• Water Resources ([link](http://catalog.montana.edu/undergraduate/letters-science/earth-sciences/water-resources-minor-nonteaching))
• Women’s, Gender and Sexuality Studies ([link](http://catalog.montana.edu/undergraduate/letters-science/womens-gender-studies))

MSU-Bozeman reserves the right to add or withdraw programs at any time subject to the concurrence of the Board of Regents of Higher Education.

**College of Agriculture ([link](http://catalog.montana.edu/undergraduate/agriculture))**

• Preveterinary Certificate ([link](http://catalog.montana.edu/undergraduate/letters-science/microbiology/preveterinary-certificate))

**College of Education, Health and Human Development ([link](http://catalog.montana.edu/undergraduate/education-health-human-development))**

• Certificate of Gerontology ([link](http://catalog.montana.edu/undergraduate/education-health-human-development/health-human-development/gerontology))

**Gallatin College ([link](http://catalog.montana.edu/undergraduate/gallatin-college))**

• Certificate of Applied Science in Bookkeeping ([link](http://catalog.montana.edu/undergraduate/gallatin-college/workforce-programs/bookkeeping-certificate-applied-science-degree))
• Certificate of Applied Science in CNC Machine Technology ([link](http://catalog.montana.edu/undergraduate/gallatin-college/workforce-programs/CNC-machine-technology))
• Certificate of Applied Science in Health Information Coding ([link](http://catalog.montana.edu/undergraduate/gallatin-college/workforce-programs/health-information-coding))
• Certificate of Applied Science in Medical Assistant ([link](http://catalog.montana.edu/undergraduate/gallatin-college/workforce-programs/medical-assistant-certif-applied-science-degree-cas))
• Certificate of Applied Science in Network Technology ([link](http://catalog.montana.edu/undergraduate/gallatin-college/workforce-programs/computernetworktechnology))
• Certificate of Applied Science in Welding Technology ([link](http://catalog.montana.edu/undergraduate/gallatin-college/workforce-programs/welding-technology))
• Professional Certificate in Business Management ([link](http://catalog.montana.edu/undergraduate/gallatin-college/workforce-programs/business-management))
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.