Undergraduate Programs

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 and Technology Education (http://catalog.montana.edu/undergraduate/agriculture/agricultural-education/)
  - Agricultural Education Broadfield Teaching Option
  - Agricultural Communication, Leadership, and Extension Option
  - Technology Education Broadfield (5-12)
  - Industrial Technology
- 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 Cell Biology and Neuroscience (http://catalog.montana.edu/undergraduate/agriculture/cell-biology-neuroscience/#text)
  - Biomedical Sciences Option
  - Cell Biology and Neuroscience 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

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/art/)
  - 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 Fine Arts in Film and Photography (https://editcatalog.montana.edu/undergraduate/)
  - Integrated Lens-Based Media
• 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 Preschool-Age Three (P-3) (http://catalog.montana.edu/undergraduate/education-health-human-development/early-childhood-education-child-services-major/)
• Bachelor of Science in Elementary Education K-8 (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 (Health and Physical Education) (http://catalog.montana.edu/undergraduate/education-health-human-development/health-physical-education-teaching-k12-broadfield-major/)
• Bachelor of Science in Hospitality Management (http://catalog.montana.edu/undergraduate/education-health-human-development/hospitalitymanagement/)
• Bachelor of Science in Human Development and Family Science (http://catalog.montana.edu/undergraduate/education-health-human-development/human-development-family-science-major/)
  • Child Development
  • Family and Consumer Sciences Education Option
• Bachelor of Science in Kinesiology (http://catalog.montana.edu/undergraduate/education-health-human-development/kinesiology-exercisescience/)
  • Exercise Science Option
  • Health and Fitness 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
  • Certificate of Gerontology (http://catalog.montana.edu/undergraduate/education-health-human-development/health-human-development/gerontology/)

Norm Asbjornson College of Engineering
• Bachelor of Science in Biological Engineering (http://catalog.montana.edu/undergraduate/engineering/chemical-biological-engineering/)
• Bachelor of Science in Biomedical Engineering (http://catalog.montana.edu/undergraduate/engineering/biomedical-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-engineering/)
• Bachelor of Science in Construction Engineering Technology (http://catalog.montana.edu/undergraduate/engineering/civil-engineering/)
• Bachelor of Science in Electrical Engineering (http://catalog.montana.edu/undergraduate/engineering/electrical-computer-engineering/)
• Bachelor of Science in Environmental Engineering (http://catalog.montana.edu/undergraduate/engineering/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 Air and Space 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/ecology/) (Department of Ecology)
  • Biology Teaching Option
  • Conservation Biology and Ecology Option
  • Fish and Wildlife Ecology and Management Option
  • Organismal Biology Option
• Bachelor of Science in Chemistry and Biochemistry (http://catalog.montana.edu/undergraduate/letters-science/chemistry-biochemistry/)
  • Biochemistry Option
  • Biochemistry Option: Pre-Med Track
  • Chemistry (Professional) Option
  • Teaching Option
• Bachelor of Science in Earth Sciences (http://catalog.montana.edu/undergraduate/letters-science/earth-sciences/)
  • Geography Option
  • Geology Option
  • GIS/Planning Option
  • Paleontology Option
  • Snow Science Option
• Bachelor of Science in Economics (http://catalog.montana.edu/undergraduate/letters-science/economics/)
• Bachelor of Arts in English (http://catalog.montana.edu/undergraduate/letters-science/english/)
  • Writing Option
  • Teaching Option
  • Literature Option
• Bachelor of Arts in History (http://catalog.montana.edu/undergraduate/letters-science/history/)
  • History Option
  • History Teaching Option
  • Science, Environment, Technology and Society Option (SETS)
• Bachelor of Arts in Liberal Studies (http://catalog.montana.edu/undergraduate/letters-science/liberal-studies/)
  • Environmental Studies Option
  • Global and Multicultural Option
  • Quaternary Option
  • Global Studies Minor
  • Global Studies Health Minor
  • Sustainability Minor
• Bachelor of Science in Mathematics (http://catalog.montana.edu/undergraduate/letters-science/mathematical-sciences/)
  • Applied Mathematics Option
  • Mathematics Option
  • Mathematics Teaching Option
  • Statistics Option
• Bachelor of Arts in Modern Languages and Literatures (http://catalog.montana.edu/undergraduate/letters-science/modern-languages-literatures/)
  • French K-12 Teaching Option
  • French and Francophone Studies Option
  • German K-12 Teaching Option
  • German Studies Option
  • Hispanic Studies Option
  • Latin American and Latino/Latina Studies
  • Spanish K-12 Teaching Option
• Bachelor of Arts in Philosophy (http://catalog.montana.edu/undergraduate/letters-science/philosophy/)
• Bachelor of Science in Physics (http://catalog.montana.edu/undergraduate/letters-science/physics/)
  • Astronomy and Astrophysics Option
  • Physics Professional Option
  • Physics Teaching Option
  • Physics Interdisciplinary Option
• Bachelor of Arts in Political Science (http://catalog.montana.edu/undergraduate/letters-science/political-science/)
• Bachelor of Science in Psychology (http://catalog.montana.edu/undergraduate/letters-science/psychology/)
  • Psychological Science
• Bachelor of Science in Sociology (http://catalog.montana.edu/undergraduate/letters-science/sociology/)
  • General Sociology Option
  • Criminology Option
• Non-degree program
  • Pre-Medical/Pre-Health Professions (http://catalog.montana.edu/undergraduate/letters-science/pre-med-pre-health-professional-programs/)

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/)
• Associate of Applied Science in Aviation Electronics Technology (http://catalog.montana.edu/aviation-electronics-technology/)
• Associate of Applied Science in Culinary Arts (http://catalog.montana.edu/undergraduate/gallatin-college/workforce-programs/culinaryarts/)
• Associate of Applied Science in Design Drafting Technology (http://catalog.montana.edu/undergraduate/gallatin-college/workforce-programs/design-drafting/)
• Associate of Applied Science in Heating, Ventilation, Air Conditioning, and Refrigeration (http://catalog.montana.edu/undergraduate/gallatin-college/workforce-programs/hvac-associate-applied-science-degree/)
• Associate of Applied Science in Information Technology Cybersecurity (http://catalog.montana.edu/undergraduate/gallatin-college/workforce-programs/information-technology-cybersecurity/)
• Associate of Applied Science in Information Technology Network Technology (http://catalog.montana.edu/undergraduate/gallatin-college/workforce-programs/information-technology-network-technology/)
• Associate of Applied Science in Interior Design (http://catalog.montana.edu/undergraduate/gallatin-college/workforce-programs/interior-design/)
• Associate of Applied Science in Photonics and Laser Technology (http://catalog.montana.edu/undergraduate/gallatin-college/photonics-laser-technology/)
• Associate of Arts (http://catalog.montana.edu/undergraduate/gallatin-college/general-education/associate-arts-degree/)
• Associate of Science (http://catalog.montana.edu/undergraduate/gallatin-college/general-education/associate-science-degree/)
• Certificate of Applied Science in Bookkeeping (http://catalog.montana.edu/undergraduate/gallatin-college/workforce-programs/bookkeeping-certificate-applied-science-degree/)
• Certificate of Applied Science in Carpenter (http://catalog.montana.edu/carpentry/)
• Certificate of Applied Science in CNC Machine Technology (http://catalog.montana.edu/undergraduate/gallatin-college/workforce-programs/CNC-machine-technology/)
• Certificate of Applied Science in Healthcare Administrative Professional (http://catalog.montana.edu/undergraduate/gallatin-college/workforce-programs/healthcare-administrative-professional-cert-applied-science-degree-cas/)
• Certificate of Applied Science in Heating, Ventilation, Air Conditioning, and Refrigeration (http://catalog.montana.edu/undergraduate/gallatin-college/workforce-programs/hvac-certificate-applied-science-degree/)
• Certificate of Applied Science in Medical Assistant (http://catalog.montana.edu/undergraduate/gallatin-college/workforce-programs/medical-assistant-cert-applied-science-degree-cas/)
• Certificate of Applied Science in Medical Laboratory Assistant (http://catalog.montana.edu/undergraduate/gallatin-college/med-lab-assistant-cert-applied-sc/)
• Certificate of Applied Science in Network Technology (http://catalog.montana.edu/undergraduate/gallatin-college/workforce-programs/computer-network-technology/)
• Certificate of Applied Science in Welding Technology (http://catalog.montana.edu/undergraduate/gallatin-college/workforce-programs/welding-technology/)
• Certificate of Technical Skills in Cyber Security & Information Assurance (http://catalog.montana.edu/undergraduate/gallatin-college/workforce-programs/cybersecurity/)
• Certificate of Technical Skills in Phlebotomy (http://catalog.montana.edu/undergraduate/gallatin-college/workforce-programs/phlebotomy/)

• Professional Certificate in Business Management (http://catalog.montana.edu/undergraduate/gallatin-college/workforce-programs/business-management/)

**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** (http://catalog.montana.edu/undergraduate/education-human-development/department-education/teaching-minors/)

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

- Art Education (K-12) (http://catalog.montana.edu/undergraduate/artsarchitecture/art/art-education-k12-minor/)
- Biology (5-12) (http://catalog.montana.edu/undergraduate/education-human-development/department-education/teaching-minors/biology-minor/)
- Chemistry (5-12) (http://catalog.montana.edu/undergraduate/education-human-development/department-education/teaching-minors/chemistry-minor/)
- Computer Science (http://catalog.montana.edu/undergraduate/engineering/computer-science/computer-science-minor-teaching/) (5-12)
- Earth Science (5-12) (http://catalog.montana.edu/undergraduate/education-human-development/department-education/teaching-minors/earth-science-minor/)
- Economics (5-12) (http://catalog.montana.edu/undergraduate/education-human-development/department-education/teaching-minors/economics-minor/)
- Family and Consumer Sciences (5-12) (http://catalog.montana.edu/undergraduate/education-human-development/department-education/teaching-minors/family-consumer-sciences-minor/)
- French (K-12) (http://catalog.montana.edu/undergraduate/education-human-development/department-education/teaching-minors/french-k12-minor/)
- German (K-12) (http://catalog.montana.edu/undergraduate/education-human-development/department-education/teaching-minors/german-k12-minor/)

- Economics (5-12) (http://catalog.montana.edu/undergraduate/education-human-development/department-education/teaching-minors/economics-minor/)
- Early Childhood Education (K-8) (http://catalog.montana.edu/undergraduate/education-human-development/department-education/teaching-minors/early-childhood-education-k8-minor/)
- Family and Consumer Sciences (5-12) (http://catalog.montana.edu/undergraduate/education-human-development/department-education/teaching-minors/family-consumer-sciences-minor/)
- French (K-12) (http://catalog.montana.edu/undergraduate/education-human-development/department-education/teaching-minors/french-k12-minor/)
- German (K-12) (http://catalog.montana.edu/undergraduate/education-human-development/department-education/teaching-minors/german-k12-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/asiatic-studies-minor/)
- Astrobiology (http://catalog.montana.edu/undergraduate/earth-sciences/earth-sciences-minor-astrobiology/)
- Biochemistry (http://catalog.montana.edu/undergraduate/chemistry-biochemistry/biochemistry-minor-nonteaching/)
- Biomedical Engineering Minor (http://catalog.montana.edu/undergraduate/engineering/chemical-biological-engineering/biomedical-engineering-minor/)
- 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/)
- Data Science (http://catalog.montana.edu/undergraduate/engineering/computer-science/data-sciences-minor/)
- 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-nonteaching/)
- English Writing (http://catalog.montana.edu/undergraduate/letters-science/english/english-writing-nonteaching/)
- Engineering Management (http://catalog.montana.edu/undergraduate/engineering/mechanical-industrial-engineering/eme-engineering/)
- 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/)
- International Business (http://catalog.montana.edu/undergraduate/business/business-minors/international-business-minor/)

Undergraduate Programs 5
• 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/engineering/mechanical-industrial-engineering/mathematics-minor/)
• Mechatronics (http://catalog.montana.edu/undergraduate/engineering/mechanical-industrial-engineering/mechatronics-minor/)
• Microbiology (http://catalog.montana.edu/undergraduate/agriculture/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 (http://catalog.montana.edu/undergraduate/education-health-human-development/personal-finance/)
• Philosophy (http://catalog.montana.edu/undergraduate/letters-science/philosophy/philosophy-minor-nonteaching/)
• Physics (http://catalog.montana.edu/undergraduate/letters-science/physics/physics-minor-nonteaching/)
• Political Science (http://catalog.montana.edu/undergraduate/letters-science/political-science/)
• Psychology (http://catalog.montana.edu/undergraduate/letters-science/psychology/psychology-minor-nonteaching/)
• Sociology (http://catalog.montana.edu/undergraduate/letters-science/sociology/sociology-minor-nonteaching/)
• Soil Science (http://catalog.montana.edu/undergraduate/agriculture/environmental-sciences/soil-science-minor-nonteaching/)
• Statistics (http://catalog.montana.edu/undergraduate/letters-science/mathematical-sciences/statistics-minor-nonteaching/)
• Sustainability & Environmental Stewardship Minor (http://catalog.montana.edu/undergraduate/letters-science/liberal-studies/sustainability-minor/)
• Water Resources (http://catalog.montana.edu/undergraduate/letters-science/earth-sciences/water-resources-minor-nonteaching/)
• Women’s, Gender and Sexuality Studies (http://catalog.montana.edu/undergraduate/letters-science/womens-gender-studies/)