Department of Civil Engineering

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The department offers graduate study leading to Master of Science degrees in Civil Engineering or Environmental Engineering. The department also participates in the Doctor of Philosophy in Engineering degree program through the College of Engineering, specifically in the Civil Engineering, Applied Mechanics and Environmental Engineering options.

For the M.S. and Ph.D. degrees, major study is offered in various combinations of the subject areas of transportation engineering, geotechnical engineering, fluid mechanics, hydraulic and hydrologic engineering, structural engineering, engineering mechanics, and environmental engineering.

Admission

A bachelor’s degree in a similar engineering field is normally required for admission to the graduate programs in the department, although graduates in the physical and life sciences may be accepted. In certain cases, students may be required to make up subject area deficiencies before being admitted to the graduate program.

For more detailed information, interested students are referred to the Admission Policies and Application Requirements sections of the departmental website. Successful applicants are accepted into both the department and The Graduate School.

Research Facilities

The research facilities of the department include well-equipped laboratories for bituminous materials, concrete, hydraulics and fluid mechanics, structures, stress analysis, computer analysis, photogrammetry, geotechnical engineering, and environmental engineering. Civil Engineering students also frequently utilize the research facilities of the Center for Biofilm Engineering (CBE), the Western Transportation Institute (WTI) and the Subzero Science and Engineering Laboratory (SSEL).

Financial Assistance

Teaching and research assistantships are available in the department. Teaching assistantships involve assisting professors with the conduct of classes including preparation and grading. Research assistantships provide the opportunity for work on a research project under the direction of a faculty member. Results of the research done on an assistantship may form the basis for the graduate student’s professional paper, thesis or dissertation. For more information on appointment criteria for assistantships, see the Graduate Assistantships sections of the departmental website.

Graduate Programs

- M.S. in Civil Engineering (http://catalog.montana.edu/graduate/engineering/civil-engineering/ms-civil-engineering)
- M.S. in Environmental Engineering (http://catalog.montana.edu/graduate/engineering/environmental-engineering)
- M.S. in Land Rehabilitation (http://catalog.montana.edu/graduate/agriculture/land-resources-environmental-sciences/ms-land-rehabilitation)
- Ph.D. in Engineering (http://catalog.montana.edu/graduate/engineering/engineering-phd) (Options: Applied Mechanics, Environmental Engineering, Civil Engineering)
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.