Land Surveying Minor

This minor is designed to provide students with perspective and skills to pursue a successful career in surveying or a surveying related field. The focus is on courses related to surveying such as photogrammetry, global positioning systems, U.S. Public Land Survey System, legal principles of surveying, and project design in surveying. Enrollment in this minor is open to all engineering and non-engineering students.

The Land Surveying Minor, completed co-incident with a Civil Engineering or Construction Engineering Technology degree, is designed to satisfy the land surveying curriculum requirements established by the Montana Board of Professional Engineers and Professional Land Surveyors to be eligible to take the Fundamentals of Surveying (FS) Exam. Students from other major degree programs interested in pursuing professional land surveyor licensure should contact the Civil Engineering Department before enrolling in the Land Surveying Minor.

Students must complete all of the following courses

**Survey Techniques - 12 Credits**
- SRVY 230 Intro to Srvyg for Engineers 3
- SRVY 273 Route Surveying 3
  or ECIV 350 Transportation Engineering
- SRVY 375 Analytic Photogrammetry and Remote Sensing 3
  or ECIV 456 Highway Geometric Design 3
  or GPHY 426 Remote Sensing

**Principles and Practices of Land Surveying - 15 Credits**
- SRVY 355 Surveying Calculations 3
- SRVY 361 Intro Legal Princ in Surveying 3
- SRVY 362 Public Land Survey System 3
- SRVY 474 Project Design in Surveying 3
- BGEN 361 Principles of Business Law 3
  or GPHY 457 Adv GPS Mapping for GIS
  or AGBE 337 Agricultural Law

**Elective - 3 Credits**
- GPHY 284 Intro to GIS Science & Cartog 3
  or GPHY 357 GPS Fund/App in Mapping
  or GPHY 384 Adv GIS and Spatial Analysis
  or GPHY 484R Applied GIS & Spatial Analysis

Total Credits 30

* Courses have prerequisites that must be satisfied prior to enrollment in surveying minor courses. Contact the Civil Engineering Department for more information.
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.