Duluth Campus

Geological Sciences Minor

D Earth & Environmental Sci

Swenson College of Science and Engineering

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2016
- Required credits in this minor: 27 to 29

The geological sciences minor enhances the student's understanding of and familiarity with earth materials and processes, and provides valuable background for many environmental careers and applications.

Program Delivery

This program is available:

- via classroom (the majority of instruction is face-to-face)

Minor Requirements

Minor Courses (23-24 cr)

EES 2110 - Reconstructing Earth's Climate History (4.0 cr)
EES 2120 - The Earth's Dynamic Interior (3.0 cr)
EES 2311 - Mineralogy (4.0 cr)
EES 3210 *{Inactive}*(4.0 cr)
EES 1110 - Geology and Earth Systems [LE CAT, NAT SCI, SUSTAIN] (4.0 cr)
or EES 1130 - Introduction to Environmental Science [LE CAT, NAT SCI, SUSTAIN] (4.0 cr)
or EES 1610 - Oceanography [LE CAT, NAT SCI, SUSTAIN] (3.0 cr)
or GEOG 1414 - The Physical Geography [LE CAT, NAT SCI, SUSTAIN] (4.0 cr)
CHEM 1113 - Introduction to General, Organic, and Biological Chemistry I [LE CAT, NAT SCI] (5.0 cr)
or CHEM 1153 - General Chemistry I [LE CAT, NAT SCI] (4.0 cr)
CHEM 1154 - General Chemistry Lab I [LE CAT, NAT SCI] (1.0 cr)

Electives (4-5 cr)

Take 1 or more course(s) totaling 4 or more credit(s) from the following:

- EES 3202 - Energy Resources (3.0 cr)
- EES 2312 - Petrology (4.0 cr)
- EES 3420 - Sedimentology and Stratigraphy (4.0 cr)
- EES 4450 - Structural Geology (4.0 cr)
- GEOL 5240 *{Inactive}*(4.0 cr)
- EES 5250 - Hydrogeology (4.0 cr)

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