**Geology, B.S.**

**DEPARTMENT**

MN in Geology, Minor  
BS in Geology, B.S.  
MS in Geology, M.S.  
BS in Environmental Sciences, B.S.  
MS in Water Resource Management, M.S. - Continuing & Global Education  
CERT in Geographic Information Systems, Certificate of Adv Study - Continuing & Global Education  
CRED in Single Subject Credential - Geological Science

**REQUIREMENTS**

Department

**Bachelor of Science Degree Requirements**

**Geology Major**

1. **Major requirements (51 units)**
   - Lower-division requirements: EES 1, 2, 12, and 30 (13 units)
   - Upper-division requirements: EES 100, 101, 102, 104W, 106, 107, 178, 199; two of the following: EES 105, 110, 122; one of the following: EES 114, 117, 118, 124 (35 units)
   - Upper-division geology elective (see Note 2) (3 units)

2. **Additional requirements (22 units)**
   - CHEM 1A, 1AL, 1B, 1BL; MATH 75; PHYS 2A, 2B or PHYS 4A, 4AL, 4B and 4BL

3. **General Education requirements (49 units)**

4. **Other requirements (6 units)**
   - Upper-division writing** and Multicultural and International (MI)

5. **Sufficient elective units to meet required total units** (varies)
   - (See Degree Requirements); may be used toward a double major or minor

6. **Total units (120)**
   - * G.E. and MI courses can be double-counted with major requirements. The upper-division writing requirement is included in the major (EES 104W). Of the 49 required General Education units, 7 units of G.E. will be satisfied by the following courses: 4 units of CHEM 1A/1AL in G.E. Breadth B1 and 3 units of MATH 75 in G.E. Foundation B4. Consult the department chair or faculty advisor for details. See advisor for details.

7. **EES 104W meets the Upper-Division Writing requirement.**

**Advising Notes**

1. "Additional requirements" courses may be applied to satisfy requirements of a minor, as appropriate. They also may be taken CR/NC (see Credit/No Credit Grading).
2. No more than 1 unit of EES 160 may be used to fulfill the upper-division elective requirement. EES 154, 155, and 168 are not applicable toward geology major requirements.
3. CR/NC is not permitted in the geology major with the exception of EES 3.
4. No more than 1 unit of EES 3 will be permitted.
5. Elective units may be used toward a double major or minor (see double major or departmental minor). Consult the appropriate department chair, program coordinator, or faculty advisor for further information.
6. Students planning to pursue graduate study in geology are strongly encouraged to take MATH 76 or EES 177.

**FACULTY**
For faculty phone numbers and e-mail, see the campus directory.
For more on the faculty, see the faculty pages.
The faculty pages are updated by the department or program.