

SOLID EARTH SCIENCE

1st Semester

- (3) EAS 109* (The Dynamic Earth)
- (4) CHM 115 (General Chemistry)
- (4) ENGL 106 (Fr Composition)
- (5) MA 161 (Calculus)
- (1) EAS 143 (Fr Seminar in Earth Science)

17 Total Credits

2nd Semester

- (4) EAS 112 (Historical Geology)
(covers evolution of life & biogeochemical cycles)
- (4) CHM 116 (General Chemistry)
- (5) MA 162 (Plane Analytic Geometry &
Calculus II)
- (3) xxx 101 (Foreign Language)

16 Total Credits

3rd Semester

- (4) EAS 243 (Earth Materials I)
- (4) PHYS 152 (Mechanics)
- (4) MA 261 (Multivariate Calculus)
- (3) XXX 102 (Foreign Language)

15 Total Credits

4th Semester

- (4) EAS 244 (Earth Materials II)
- (3) PHYS 241 (Electricity and Optics)
- (1) PHYS 252 (Electricity & Optics Lab)
- (1) PHYS 290D (Thermo Unit)
- (4) MA 262 (Linear Algebra & Differential Equations)
- (3) XXX 201 (Foreign Language)

16 Total Credits

5th Semester

- (4) EAS 351 (Structural, Tectonic, Basin Analysis)
(*required field trip*; structural geology, geophysics,
geochemistry, depositional systems)
- (3) CS 158 (Programming C)
- (3) XXX xxx (Science/Engineering Elective)
- (3) XXX 202 (Foreign Language)

13 Total Credits

6th Semester

- (3) EAS 352 (Structural Geology)
- (3) EAS 309 (Computer Aided Analysis for Geos)
- (3) EAS 390 (Geologic Methods -includes field and
laboratory techniques – aerial photo interpretation, GIS, GPS)
- (3) ENGL xxx (Advanced Composition)
- (3) XXX xxx (General Education Elective)

15 Total Credits

Summer Session

- (6) EAS 490 (Summer Geology Field Camp)

7th Semester

- (4) EAS 450 (Phys & Chm of the Earth)
- (3) XXX xxx (Earth Science Elective)
- (3) XXX xxx (Science/Engineering Elective)
- (3) XXX xxx (General Education Elective)
- (3) XXX xxx (General Education Elective)

16 Total Credits

8th Semester

- (3) XXX xxx (Earth Science Elective)
- (3) XXX xxx (General Education Elective)
- (3) XXX xxx (General Education Elective)
- (3) XXX xxx (General Education Elective)

12 Total Credits

*EAS 111 Physical Geology (3) is also accepted.

Total Credits = 126 credits (18 General Education Requirements)

See back for more details on electives and requirements

EAS Electives

In the solid earth curriculum, at least 6 credits are required in EAS regular courses (exclusive of seminar and reading courses) numbered 300 and above (including EAS 225) to fulfill the EAS curriculum electives.

Science/Engineering Electives

At least 6 credits numbered 200 and above in science, engineering, or agriculture are required to fulfill the Science/Engineering electives. Students can consult their academic advisors for appropriate courses.

Please Note: Your electives (EAS, Science/Engineering/Agriculture, and General Education) and your EAS major courses (including the summer geology field camp) must add up to 32 hours of courses numbered 300 and above to meet University graduation requirements.

Requirements for Entry into Upper Division in Solid Earth Science for Students Beginning Fall 2003

A student pursuing a major in solid earth geoscience must satisfy the following requirements before being permitted to enter the upper division:

1. Completion of MA 161, 162; CHM 115, 116; and PHYS 152, or equivalents each with a grade of C or better, and
2. Completion of required lower-division courses in the student's major area each with a grade of C or better.

For the application of these requirements, entry into the upper division is defined as registration for the semester that includes EAS 351.

Graduation Requirement

To graduate in any EAS major, a student must have an average grade point index of 2.00 or above in EAS courses required for the major. This requirement applies to students who enroll in their EAS major after the Fall 2001 semester.