

# Earth Sciences Major Requirements (54)

## Foundation Courses

- CHEM 101 - Introductory University Chemistry I
- EAS 100 - Planet Earth
- EAS 105 - The Dynamic Earth Through Time
- HGEO 100 - Introduction to Human Geography and Planning

### 3 units from:

MATH 117 - Honors Calculus I  
MATH 144 - Calculus for the Mathematical and Physical Sciences I \_\_\_\_\_

### 3 units from:

PHYS 124 - Particles and Waves  
PHYS 144 - Newtonian Mechanics \_\_\_\_\_

### 3 units from:

CHEM 102 - Introductory University Chemistry II  
PHYS 126 - Fluids, Fields, and Radiation  
PHYS 146 - Fluids and Waves  
PHYS 181 - Relativity, Electricity and Magnetism \_\_\_\_\_

## Senior Courses

### 12 units from:

EAS 212 - The Oceans  
EAS 221 - Introduction to Geographical Information Systems and Remote Sensing  
EAS 222 - Stratigraphy and Sedimentation  
EAS 224 - Mineralogy I  
EAS 225 - Earth Surface Processes and Landforms \_\_\_\_\_  
EAS 230 - Introduction to Invertebrate Paleontology \_\_\_\_\_  
EAS 232 - Mineralogy II \_\_\_\_\_  
EAS 233 - Geologic Structures \_\_\_\_\_  
EAS 234 - Geology Field School \_\_\_\_\_  
EAS 237 - Geological Field Techniques \_\_\_\_\_  
EAS 250 - Biogeography  
EAS 270 - The Atmosphere

### 3 units at the 200, 300 or 400-level from:

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EAS  
HGEO  
PALEO  
PLAN

### 12 units from:

EAS at the 300 and/or 400-level

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- COMM
- COMM
- IND
- BO\_\_
- BO\_\_
- BSBS
- BSFS
- BSSS
- LAB

### 6 units from:

EAS at the 400-level

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#### Notes:

To fulfill the knowledge requirements for registration as a professional geoscientist (P. Geo.) through APEGA (Association of Professional Engineers and Geoscientists of Alberta), meet with an EAS program advisor to discuss appropriate course selections. Current syllabus and registration information is available from the Department of Earth & Atmospheric Sciences or APEGA. Full information is available at [www.apega.ca](http://www.apega.ca).