UNIVERSITY GRADUATION REQUIREMENTS: OSU’s minimum credit hour requirements are met by combining Baccalaureate Core and Major courses plus other electives of your choice. Additional electives may be needed to reach the university degree requirements.

- 180 credits – Minimum number of credits required for a BS degree
- 60 credits – Minimum number of upper division credits required
- 2.00 Cumulative OSU GPA and major GPA
- 45 of the last 75 credits (or 150 total credits) of coursework must be from OSU

BACCALAUREATE CORE REQUIREMENTS: Total of 48 credits plus WIC course. No single course may be used to satisfy more than one area of the Bacc Core. Courses fulfilled through the major are checked.

Skills (15 credits)
- Writing I (3)
- Writing II (3)
- Speech (3)

Perspectives Courses (24 credits – No more than two courses taken from the same department.)
- Biological Science w/lab (4)
- Physical Science w/lab (4) (Met by GEO 201)
- Biological or Physical Science w/lab (4) (Met by GEO 202)

Difference, Power and Discrimination (3 credits)
- Difference, Power and Discrimination (3)

Synthesis (6 credits – These two classes must be from different subjects.)
- Contemporary Global Issues (3)
- Science, Technology and Society (3)

Writing Intensive Course within Earth Sciences WIC (4 credits)
- Met by GEO 463 (4)

EARTH SCIENCES MAJOR REQUIREMENTS - GEOLOGY OPTION: Students must earn at least a C minus in upper division (300 or higher) courses required for the major, and a 2.0 GPA in major coursework. Students cannot S/U major requirements.

Basic Math and Science Requirements (34-37 credits)
- MTH 251 Differential Calculus (4)
- MTH 252 Integral Calculus (4)
- (CH 231 + CH 261) or CH 121 (5)
- (CH 232 + CH 262) or CH 122 (5)

And take the third chemistry or physics course from courses listed below:
- (CH 233 + CH 263) or CH 123 (5)
- PH 211 or PH 201 (4-5)
- PH 212 or PH 202 (4-5)
- PH 213 or PH 203 (4-5)
Earth Sciences Core Courses (20-24 credits)
- GEO 201 Physical Geology (4) [FW]
- GEO 202 Earth Systems Science (4) [W]
- GEO 203 Evolution of Planet Earth (4) [Sp]
- OC 201 Oceanography (4) [FW]
- ATS 201 Climate Science (4) [FSp]

Choose one additional skills course:
- CBEE 102 Engineering Problem Solving and Computations (3)
- ENGR 112 Introduction to Engineering Computing (3)
- GEOG 360 GISci. I: Geog. Info Systems and Theory (4) [FSp]
- PH 265 Scientific Computing (3)
- ST 352 Introduction to Statistical Methods (4)

Geology Courses (45 credits)

Prerequisite
- GEO 310
- GEO 315

Experiential Learning
- GEO 295 Introduction to Field Geology (3) [F - late Sept] GEO 201
- GEO 495 Advanced Field Geology (6) [Su - June/July] GEO 295, 315, 340, and 370

Geology Electives (9-12 credits): Take three electives from the lists below:

Earth Surface
- BI 427 Paleobiology (4) (requires permission)
- GEO 431 Environmental Geochemistry (3) [Sp Alt E]
- GEO 432 Applied Geomorphology (3) [Sp]
- GEO 481 Glacial Geology (4) [F Alt E]
- GEO 484 Introduction to Biogeochemistry (3) [W Alt E]
- GEO 486 Quaternary Paleoclimatology (3) [W Alt O]
- GEO 488 Quaternary Stratigraphy of No. Am. (3) [F Alt O]
- GEOG 423 Snow Hydrology (3)
- GEOG 480 Remote Sensing I: Practices and Appl. (4) [F]
- SOIL 466 Soil Morphology and Classification (4) [Sp]
- SOIL 468 Soil Landscape Analysis (4) [W, SOIL 466 prereq]
- OC 460 Geological Oceanography (4) [Sp]

Natural Hazards
- GEO 427 Volcanology WIC (4) [Sp Alt O]
- GEO 433 Coastal Geomorphology (3) [W Alt O]
- GEO 461 Geology of Earthquakes (3) [F Alt E]

Solid Earth
- GEO 412 Igneous Petrology (4) [F Alt O]
- GEO 440 Economic Geology (4) [W Alt E]
- GEO 497 Field Mapping of Ore Deposits (3) [Sp Alt O]

The following categories MAY count toward an elective with approval from the Program Head. You may not use GEO 401 or 410.

- 400 level courses in other departments or programs (ATS, OC etc.)
- GEO 499 Special Topics
- GEO 403 Thesis (3 credits)
- 500 level courses

Alt = alternating
O=odd, E=even
F = fall, W = winter, Sp = spring, Su = summer
WIC = Writing Intensive