

Geological Sciences

Civilization-saving Science for the 21st century



Median Geologist's salary = \$95,024

(Source: U.S. Bureau of Labor Statistics)

**Department of
Earth, Environmental, Atmospheric Sciences**

Degrees offered:

- **Bachelor of Science in Geological Sciences (choose one track):**
 - **Environmental Earth Science (ENES)**
 - **Geology (GEOL)**
 - **General (GGEN)**
- **JUMP (Joint Undergrad Masters Program)**

Why Geological Sciences?

- Student-centered active classes
- Small class size
- State-of-the-art analytical and computational labs
- Amazing field trips with study away opportunities
- Advanced research opportunities
- Internship and job opportunities
- Conference presentation opportunities
- Active student club (WKU Geology Club)
- In-State Tuition for Border States with Kentucky
- Prepare for Professional Geologist licensure

Careers our Graduates Enter:

- Environmental Agencies
- Government Sectors
- Energy/Natural Resources
- Land Management
- Mining Industries
- Engineering companies
- Graduate School/University
- GIS sectors



<https://www.wku.edu/geology/index.php>

WKU | EEAS

Earth, Environmental &
Atmospheric Sciences

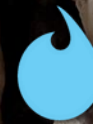
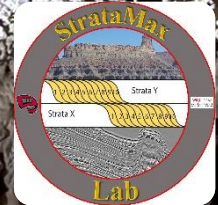
270-745-4555
Geological Sciences



Geological Sciences

For our habitable Planet!

Reynold's
Lab



crawfordhydrology
laboratory

Bachelor of Science Degree (choose one track)

Environmental Earth Science (ENES) track (48 hrs)

Common Core (22 hours)

GEOL 111 Earth
GEOL 113 Earth Lab
GEOL 112 Earth's Past & Future
GEOL 114 Earth's Past & Future Lab
GEOL 350 Mineralogy & Petrology
GEOL 360 Sedimentology/Stratigraphy
GEOL 408 Structural Geology
GEOL 499 Professional Preparation

Track Requirement (26 hrs)

GEOL 250 Environmental Geology
GEOL 310 Hydrology
GEOL 415 Applied Environ Geology
GEOL 420 Geomorphology
GISC 316 Fundamentals of GIS
GEOG 300 Writing in the Geosciences

Electives (7 hrs):

- Select from any 300-level or above GEOL course with advisor approval.

Additional Requirements (11 hrs)

- MATH 183 Introductory Statistics
- CHEM 105/106 General Chemistry
- BIOL 207/208 General Microbiology

Geology (GEOL) track (48 hrs)

Common Core (22 hours)

GEOL 111 Earth
GEOL 113 Earth Lab
GEOL 112 Earth's Past & Future
GEOL 114 Earth's Past & Future Lab
GEOL 350 Mineralogy & Petrology
GEOL 360 Sedimentology/Stratigraphy
GEOL 408 Structural Geology
GEOL 499 Professional Preparation

Track Requirement (26 hrs)

GEOL 380 Field Techniques
GISC 316 Fundamentals of GIS
GEOG 300 Writing in the Geosciences

Electives (16 hrs):

- Select from any GEOL 200-or-above level course, or from GEOG 391 or GEOG 452 with advisor approval.

Additional Requirements (17 hrs)

- MATH 136 Calculus I
- MATH 137 Calculus II
- CHEM 120/121 College Chemistry I
- PHYS 231/232 Physics & Biophysics I

General (GGEN) track (30 hrs)

Common Core (22 hours)

GEOL 111 Earth
GEOL 113 Earth Lab
GEOL 112 Earth's Past & Future
GEOL 114 Earth's Past & Future Lab
GEOL 350 Mineralogy & Petrology
GEOL 360 Sedimentology/Stratigraphy
GEOL 408 Structural Geology
GEOL 499 Professional Preparation

Track Requirement (8 hrs)

Electives:

- Select from any 300-level or above GEOL course with advisor approval.

Additional Requirements (12-14 hrs)

- Choose one:
 - MATH 115 Applied College Algebra
 - MATH 116 College Algebra
 - MATH 183 Introductory Statistics
 - MATH 136 Calculus I
- CHEM 120/121 College Chemistry I
- Choose one:
 - BIOL 120/121 Biological Concepts
 - BIOL 122/123 Biological Concepts
 - PHYS 180/181 Modern Physics
 - PHYS 201 College Physics I
 - PHYS 231/232 Physics & Biophysics I
 - PHYS 255/256 University Physics I

A second major or a minor of at least 24 hrs is required with this track.



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