



BACHELOR of Science (#577)
Major in Geology: Professional
 Department of Geography and Geology
 Ogden College of Science and Engineering
 Western Kentucky University

The following four-year plan is an example of how to map your program in consultation with your faculty advisor. Every student will finish with a unique plan of his/her own depending on the electives selected.

Success Markers

SAMPLE - 4 year plan

| FIRST YEAR | Fall Semester | | Spring Semester | |
|------------|--|-----------|---|-----------|
| | GEOL 111 The Earth OR GEOG/GEOL 103 Dynamic Earth (E-NS) | 3 | GEOL 112/114 Earth History & Lab | 4 |
| | GEOL 113 The Earth Lab (E-SL) | 1 | MATH 117 Trigonometry | 3 |
| | ENG 100 Intro to College Writing (F-W1) | 3 | PHYS 180/181 Intro to Modern Physics & Lab OR PHYS 201 College Physics I (E-NS) | 4 |
| | MATH 116 College Algebra (F-QR) | 3 | COMM 145 Fund of Public Speaking & Communication (F-OC) | 3 |
| | HIST 101 World History I OR HIST 102 World History II (F-SB) | 3 | World Language, if needed, or General Elective | 2 |
| | GEOG 175 Freshman Experience | 2 | | |
| | TOTAL CREDIT HOURS | 15 | TOTAL CREDIT HOURS | 17 |

| SECOND YEAR | Fall Semester | | Spring Semester | |
|-------------|--|-----------|---|-----------|
| | GEOL 270 Analytic Techniques in Geology OR GEOL 432 Crystallography | 3 | CHEM 120/121 College Chemistry I & Lab | 5 |
| | MATH 136 Calculus I | 4 | ENG 300 Writing in the Discipline (F-W2) | 3 |
| | Arts and Humanities (E-AH) | 3 | GEOG 316 Fundamentals of GIS | 4 |
| | ENG 200 Intro to Literature (F-AH) | 3 | Connections – Social & Cultural (K-SC) | 3 |
| | GEOG 110 World Regional Geography (E-SB) | 3 | | |
| | TOTAL CREDIT HOURS | 16 | TOTAL CREDIT HOURS | 15 |

World Language Proficiency: All students entering in Fall 2014 or later must demonstrate proficiency in a world language at the Novice High level before completing 60 credit hours. Novice high is the ability to communicate in writing and speaking on familiar topics in simple sentences. To meet this requirement, students may take college language courses or take a proficiency test. For more information go to www.wku.edu/modernlanguages/placement/.

| THIRD YEAR | Fall Semester | | Spring Semester | |
|---|---|---------------------------------------|--------------------|---|
| | GEOG 317 Geographic Information Systems | 4 | GEOL 350 Petrology | 4 |
| GEOL 308 Structural Geology | 4 | Independent Research or GEOL Elective | 3 | |
| GEOL 330 Mineralogy | 4 | GEOL 380 | 3 | |
| Independent Research (discuss with advisor) | 3 | Connections – Local/Global (K-LG) | 3 | |
| | | GEOL Elective | 3 | |
| TOTAL CREDIT HOURS | 15 | TOTAL CREDIT HOURS | 16 | |

| FOURTH YEAR | Fall Semester | | Spring Semester | |
|---------------------------------------|--|--|--|---|
| | GEOG 452 Field Studies in Geography OR GEOG 417 GIS Analysis & Modelling OR GEOG 419 GIS Programming | 3 | GEOL 485 Geology of Fossil Fuels or Elective | 3 |
| Connections - Systems (K-SY) | 3 | GEOL 499 Professional Preparation in Geology | 2 | |
| GEOL Elective (upper division) | 3 | GEOL Elective (upper division) | 3 | |
| GEOL 460 Sedimentology & Stratigraphy | 3 | GEOL Elective (Upper division) | 3 | |
| Research or GEOL Elective | 1 | Research or GEOL Elective | 2 | |
| TOTAL CREDIT HOURS | 13 | TOTAL CREDIT HOURS | 13 | |

Total Credit Hours:120

- A minimum of 120 Hours are required in the program, with 42 hours at the 300/400 level. The Program itself is 52 hours, with 13 hours of supporting science courses, required Colonnade courses, and 6 hours of mathematics preparation if not taken prior to enrollment.
- Summer courses, including Study Abroad, Field Camps, and other independent research opportunities, can reduce the number of hours required in the regular semesters. In this program, 6-12 course hours could be earned in the summers between the Sophomore and Senior years. Required and elective courses can be moved from semester to semester to take advantage of courses when offered.
- Colonnade Connections courses are restricted to Juniors/Seniors, unless 21 credit hours of Colonnade Explorations and Foundations courses have already been completed sooner.
- Beginning in Fall 2014, all entering students must demonstrate proficiency in a world language at the Novice High level before completing 60 credit hours (that means in the first two years at WKU for most full-time students).

FOR ADDITIONAL INFORMATION, PLEASE CONTACT:

For more Information:

Department: Geography and Geology

Website: www.wku.edu/geoweb

Phone: (270)745-4555

Course Descriptions: <http://www.wku.edu/undergraduatecatalog/>