

Geology

ACADEMIC MAP (Effective Summer 2016 and after)

This map is a term-by-term sample course schedule. The milestones listed to the right of each term are designed to keep you on course to graduate in four years. The Sample Schedule serves as a general guideline to help you build a full schedule each term. The General Education and Elective courses must be selected to satisfy all area and multicultural requirements unless your program meets these requirements with major courses. Milestones are courses and special requirements necessary for timely progress to complete a major. Missing milestones will result in one of two types of map registration stops. The first level (Degree Map Off-track) is placed following grade posting if the student has missed a milestone (course and/or GPA) for the first time in the major. If a student is in non-compliance with milestones for two (2) consecutive semesters (excluding summers), a Major Change Required stop is placed on the student's registration.

Geology is the study of the earth, its history, structure, composition and evolution to form the planet we know today. The processes at work in and within the earth and the principles governing these processes, as well as the history of animal and plant life as recorded in the rocks, are studied. Geological work consists of collecting data and measurements from field observations, from indirect sensing devices, from laboratory experiments and from systematic evaluations of these data and measurements. The curriculum also includes courses in chemistry, physics, and calculus. A 6 weeks summer field course is required. To allow optimal flexibility in planning upper-division programs, the mathematics and chemistry requirements should be started in the freshman year.

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Sample Schedule

Term 1

ENC1101 – 3hrs

MAC1105 – 3hrs

CHM1045 and CHM1045 Lab – 4hrs

GE History – 3hrs

GE Core Humanities/Cultural Practice – 3hrs

Milestones 1

Complete ENC1101 (≥ C minus)

Complete MAC1105 (\geq C minus)

Term 2

ENC2135 – 3hrs

MAC1140 – 3hrs

CHM1046 and CHM1046 Lab – 4hrs

GE Humanities/Cultural Practice – 3hrs

GE Core Social Science – 3hrs

Milestones 2

Complete ENC2135 (\geq C minus)

Complete MAC1114 or MAC1140 (\geq C minus)

Complete CHM1045 and CHM1045 Lab

Term 3

GLY2010C – 4hrs

MAC1114 – 3hrs

GE Social Science – 3hrs

Oral Communication Competency – 3hrs

Elective – 3hrs

Milestones 3

Complete MAC1114 and MAC1140

Term 4

MAC2311 – 4hrs

GLY2100/GLY2100L – 4hrs

PHY2048C or PHY2053C – 5hrs

GE Ethcis – 3hrs

Milestones 4

Complete CHM1046 and CHM1046 Lab

Overall GPA \geq 2.0

Term 5

MAC2312 or STA2122 – 3hrs – 4hrs

GLY3200C – 3hrs

PHY2049C or PHY2054C - 4-5hrs

GLY4544C – 4hrs

Milestones 5

Complete GLY2010C

Complete GLY3200C

Complete GLY4544C

Term 6

GLY3310C – 3hrs

GLY elective – 3hrs

GLY elective – 3hrs

Foreign Language – 4hrs

Milestones 6

Complete GLY2100 w/Lab

Complete MAC2311

Term 7

GLY4751C or GIS4043/4043L - 3-4hrs

GLY elective - 3-4hrs

Foreign Language – 4hrs

Milestones 7

Complete Pre-Graduation Check

Term 8

GLY3400C – 4hrs

Foreign Language – 4hrs

Elective - 3-4hrs

Milestones 8

Complete GLY3400C

Complete GLY3310C

Apply for Graduation in 1st two weeks

Summer

GLY4790 – 6hrs

Employment Information

Employment Information: Representative Job Titles Related to this Major: Most require graduate work.) Geologist, Geochemist, Earth Scientist, Geophysicist, Marine Geologist, Hydrologist, Oceanographer, Environmental Administrator, Paleontologist

Representative Employers: Mining Companies, Petroleum Companies, Consulting Firms in Environmental Sciences, U.S. Agencies (Geological Survey, Bureau of Mines, Dept. of Agriculture, EPA, Nuclear Regulatory Commission), State Agencies

International Opportunities: International study is available for all students and may include opportunities for internships or taking course work towards various minors. International study may have an impact on the MAP; therefore, it is important to consult with the academic advisor for this major before participating in an International Programs opportunity. Interested students should also contact the Office of International Programs.

This Map is not a contract, either expressed or implied, between the University and the student, but represents a flexible program of the current curriculum which may be altered from time to time to carry out the academic objectives of the University. The University specifically reserves the right to change, delete or add to any Map at any time within the student's period of study at the University.