

# Geology (2010-2011)

## General

This is a **general curriculum** guide and is not applicable to every student and is not a replacement for meeting with your advisor.

**-Student is starting in MTH 110-**

| Fall Semester – Year One                       | credits | Winter Semester- Year One                        | credits |
|------------------------------------------------|---------|--------------------------------------------------|---------|
| GEO 111: Exploring the Earth ( <i>Gen Ed</i> ) | 4       | GEO 112: Earth History                           | 5       |
| MTH 110: Algebra                               | 4       | CHM 115: Principles of Chemistry I1              | 5       |
| WRT 150: Strategies in Writing                 | 4       | MTH 122: College Algebra ( <i>Gen Ed</i> )       | 3       |
| Gen Ed.                                        | 3       | Gen Ed.                                          | 3       |
| <b>Total</b>                                   | 15      | <b>Total</b>                                     | 16      |
| Fall Semester – Year Two                       | credits | Winter Semester – Year Two                       | credits |
| GEO 211: Mineralogy                            | 4       | GEO 212: Petrology                               | 5       |
| MTH 123: Trigonometry                          | 3       | MTH or CIS or STA Elective <sup>1</sup>          | 3-5     |
| CHM 116: Principles of Chemistry II            | 5       | Gen Ed.                                          | 3       |
| Gen Ed.                                        | 3       | Gen Ed.                                          | 3       |
| <b>Total</b>                                   | 15      | <b>Total</b>                                     | 14-16   |
| Fall Semester – Year Three                     | credits | Winter Semester – Year Three                     | credits |
| GEO 311: Structural Geology                    | 3       | GEO 312: Sedimentation-Stratigraphy              | 4       |
| GEO 320: Geomorphology                         | 4       | PHY Elective <sup>2</sup>                        | 5       |
| MTH or CIS or STA Elective <sup>1</sup>        | 3-5     | WRT 305: Writing in the Disciplines <sup>3</sup> | 3       |
| Gen Ed.                                        | 3       | Gen Ed. or Theme                                 | 3       |
| <b>Total</b>                                   | 13-15   | <b>Total</b>                                     | 15      |
| Fall Semester – Year Four                      | credits | Winter Semester – Year Four                      | credits |
| GEO 485: Geology Seminar                       | 1       | GEO 495: Global Tectonics (Capstone)             | 3       |
| GEO Elective <sup>4</sup>                      | 3-5     | GEO 485: Geology Seminar                         | 1       |
| PHY Elective <sup>2</sup>                      | 5       | GEO Elective <sup>4</sup>                        | 3       |
| Elective                                       | 3       | Gen Ed. or Theme                                 | 3       |
| Gen Ed. or Theme                               | 3       | Gen Ed. or Theme                                 | 3       |
| <b>Total</b>                                   | 15-17   | <b>Total</b>                                     | 16      |

\*Students must participate in an approved Summer Field Camp in Geology (Taught by another college) for 5-8 credits\*

### Notes:

<sup>1</sup>Two math, computer science, or statistics classes must be taken. There are three options: MTH 201: Calculus I and MTH 202: Calculus II, OR STA 215: Introductory Applied Statistics and STA 216: Intermediate Applied Statistics, OR CIS 150: Introduction to Computing and CIS 162: Computer Science I.

<sup>2</sup>Students must select two Physics classes; either PHY 220: General Physics I and PHY 221: General Physics II OR PHY 230: Principles of Physics I and PHY 231: Principles of Physics II.

<sup>3</sup>Students who pass out of WRT 305 have room to take a GenEd, Theme, or elective course in this semester.

<sup>4</sup>6-8 credits of Geology electives must be completed. Courses must be at the 300-400 level. Geology theme courses at the 300-level cannot count towards the Geology major.

### Special Notes:

- This is a **general** curriculum guide and will not work for everyone, especially those students who have AP or CLEP credit.
- Courses that have (*Gen Ed*) written after them are classes that are required in the major and also fulfill a section of the general education program.
- Remember to fulfill your 2 SWS requirements; 1 can be taken in the gen ed program and 1 in your major.
- Some classes are in multiple sections within the gen ed. If you take a course that can be counted in two categories, you can open up 1-2 more spots for geology electives.
- Geology majors are encouraged to take one of the following themes: Theme 02, 07, 11, or 23.
- You must have **120 credits** to graduate from Grand Valley State University.

**It is imperative to meet with your faculty advisor or an advisor in the CLAS Academic Advising Center early in your career. The CLAS Academic Advising Center is located in C-1-140 MAK, 616-331-8585.**

Online at: <http://www.gvsu.edu/clasadvising>

Prepared by CLAS Academic Advising Center – 4/23/2010