

# Geology (2012-2013)

## General

This is a **general curriculum** guide and is not applicable to every student and is not a replacement for meeting with your advisor.  
**-Assumes student has fulfilled the MTH 110 prerequisite-**

Fall Semester – Year One	credits	Winter Semester – Year One	credits
CHM 115: Principles of Chemistry I	5	CHM 116: Principles of Chemistry II	4
GEO 111: Exploring the Earth ( <i>Gen Ed</i> )	4	GEO 112: Earth History	4
MTH 122: College Algebra ( <i>Gen Ed</i> )	3	MTH 123: Trigonometry	3
WRT 150: Strategies in Writing	4	GEO 175: Research Tools for Geosciences	1
		Gen Ed.	3
<b>Total</b>	<b>16*</b>	<b>Total</b>	<b>15</b>
Fall Semester – Year Two	credits	Winter Semester – Year Two	credits
GEO 211: Mineralogy	4	GEO 212: Petrology	5
MTH or CIS or STA Elective <sup>2</sup>	3 - 5	GEO Elective <sup>1</sup>	3 - 5
GEO Elective <sup>1</sup>	2 - 4	MTH or CIS or STA Elective <sup>2</sup>	3 - 5
Gen Ed.	3	Gen Ed.	3
Gen Ed.	3		
<b>Total</b>	<b>15-17*</b>	<b>Total</b>	<b>14-16*</b>
Fall Semester – Year Three	credits	Winter Semester – Year Three	credits
GEO 311: Structural Geology	4	GEO 312: Sedimentation-Stratigraphy	4
GEO 320: Geomorphology	4	PHY Elective <sup>3</sup>	5
PHY Elective <sup>3</sup>	5	Gen Ed.	3
Gen Ed.	3	Gen Ed. or Theme <sup>4</sup>	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>
Fall Semester – Year Four	credits	Winter Semester – Year Four	credits
GEO 485: Geology Seminar	1	GEO 495: Global Tectonics (Capstone)	3
GEO Elective <sup>1</sup>	3-5	GEO 485: Geology Seminar ( <i>SWS</i> )	1
Elective	3	GEO Elective <sup>1</sup>	2-4
Gen Ed. or Theme	3	Gen Ed.	3
Gen Ed. or Theme	3	Elective	3
		Elective	3
<b>Total</b>	<b>13-15</b>	<b>Total</b>	<b>15-17*</b>

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

**\*The block tuition rate is for 12-15 credits. You will pay additional tuition for any credits over 15.**

### Notes:

<sup>1</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.

<sup>2</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>3</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>4</sup> Geology majors are encouraged to take one of the following themes: Theme 02, 07, 11, or 23.

### Special Notes:

A. This is a **general** curriculum guide and will not work for everyone, especially those students who have AP or CLEP credit.

B. 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.

C. Complete a total of two courses with an SWS attribute.

**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 – 1/23/12