

# Geology (2011-2012)

## 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 needs MTH 110 prerequisite-**

Fall Semester – Year One	Credits	Winter Semester – Year One	credits
GEO 111: Exploring the Earth ( <i>Gen Ed</i> )	4	GEO 112: Earth History	4
MTH 110: Algebra	4	CHM 115: Principles of Chemistry I	5
WRT 150: Strategies in Writing	4	GEO 175: Research Tools for Geosciences	1
Gen Ed.	3	MTH 122: College Algebra ( <i>Gen Ed</i> )	3
		Gen Ed.	3
<b>Total</b>	<b>15</b>		
		<b>Total</b>	<b>16</b>
Fall Semester – Year Two	credits	Winter Semester – Year Two	credits
GEO 211: Mineralogy	4	GEO 212: Petrology	4
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>	<b>15</b>		
		<b>Total</b>	<b>13-15</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>2</sup>	5
MTH or CIS or STA Elective <sup>1</sup>	3-5	Geo Elective <sup>3</sup>	2-4
Gen Ed.	3	Gen Ed. or Theme <sup>4</sup>	3
<b>Total</b>	<b>14-16*</b>		
		<b>Total</b>	<b>14-16*</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>3</sup>	2-4	GEO 485: Geology Seminar ( <i>SWS</i> )	1
PHY Elective <sup>2</sup>	5	GEO Elective <sup>3</sup>	3
Gen Ed.	3	Elective	3
Gen Ed. or Theme	3	Gen Ed. or Theme	3
		Gen Ed.	3
<b>Total</b>	<b>14-16*</b>		
		<b>Total</b>	<b>16*</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> 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> 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>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. The two SWS courses may not be taken from the same department or school. One must be complete from outside the student's major unit.

**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 – 3/9/2011