

Geology-Chemistry (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	5
GEO 111: Exploring the Earth (<i>Gen Ed</i>)	4	GEO 112: Earth History	4
MTH 122: College Algebra (<i>Gen Ed</i>)	3	WRT 150: Strategies in Writing	4
Gen Ed.	3	GEO 175: Research Tools for Geosciences	1
Total	15	Elective	1
		Total	15
Fall Semester – Year Two	credits	Winter Semester – Year Two	credits
GEO 211: Mineralogy	4	CHM 225: Instrumental Analysis I	3
MTH 123: Trigonometry	3	GEO 212: Petrology	4
CHM 222: Quantitative Analysis	3	MTH 201: Calculus I	5
CHM 241: Organic Chemistry for Life Science I OR	4	Gen Ed.	3
CHM 245/246: Principles of Organic Chemistry I w/lab	4		
Total	14	Total	15
Fall Semester – Year Three	credits	Winter Semester – Year Three	credits
CHM 351: Intro to Physical Chemistry	3	GEO 312: Sedimentation-Stratigraphy	4
GEO 311: Structural Geology	4	CHM 352: Applied Physical Chemistry	1
GEO 445: Introduction to Geochemistry ¹	4	Gen Ed. or Theme ²	3
PHY 230: Principles of Physics I	5	Gen Ed. or Theme	3
		Gen Ed. or Theme	3
Total	16*	Total	14
Fall Semester – Year Four	credits	Winter Semester – Year Four	credits
CHM 491: Chemistry Seminar I	0	CHM 491: Chemistry Seminar II	1
GEO 485: Geology Seminar (<i>SWS</i>)	1	GEO 495: Global Tectonics	3
Elective	3	Elective	3
Elective	3	Gen Ed. or Theme	3
Elective	3	Gen Ed. or Theme	3
Gen Ed. or Theme	3	Gen Ed. or Theme	3
Gen Ed. or Theme	3		
Total	16*	Total	16*

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

Notes:

¹ This course is offered Fall semester of even-numbered years.

² Geo-Chemistry majors are encouraged to take one of the following themes: Theme 02, 07, or 11.

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