

Geology-Chemistry (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.

-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	Elective	2
Total	15	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 (SWS)	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. The two SWS courses may not be taken from the same department or school. One must be 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