

Biology (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.

-Assumes that the MTH 110 requirement has been fulfilled-

Fall Semester – Year One	credits	Winter Semester- Year One	credits
BIO 120: General Biology I (<i>Gen Ed</i>)	4	BIO 121: General Biology II	4
CHM 115: Principles of Chemistry I (<i>Gen Ed</i>)	5	CHM 116: Principles of Chemistry II	5
MTH 122: College Algebra (<i>Gen Ed</i>)	3	WRT 150: Strategies in Writing	4
Gen Ed.	3	MTH 123: Trigonometry	3
	Total 15		Total 16
Fall Semester – Year Two	credits	Winter Semester – Year Two	credits
BIO 215: General Ecology	4	BIO 375/376: Genetics/Genetics Lab	4
BIO Elective	3	CHM 232: Biological Chemistry	4
CHM 231: Introductory Organic Chemistry	4	<i>Or</i> ¹	
CHM 241: Organic Chemistry for Life	4	CHM 242: Organic Chemistry for Life	4
Science I		Science II	
Gen Ed.	3	MTH Cognate ²	3
	Total 14	Gen Ed.	3
			Total 14
Fall Semester – Year Three	credits	Winter Semester – Year Three	credits
BIO 405/406: Cell and Molecular Biology w/lab	6	PHY 221: General Physics II ³	5
PHY 220: General Physics I	5	BIO Elective	4
Or		Gen Ed. or Theme	3
PHY 200: Physics for the Life Sciences	4	WRT 305: Writing in the Disciplines ⁴	3
Gen Ed. or Theme	3		
Gen Ed. or Theme	3		
	Total 16-17		Total 15
Fall Semester – Year Four	credits	Winter Semester – Year Four	credits
BIO Elective ⁵	3	BIO 495: Evolutionary Biology	3
BIO Elective	3	BIO Elective ⁵	3
Elective	3	Elective	4
Gen Ed. or Theme	3	Gen Ed. or Theme	3
Gen Ed. or Theme	3	Gen Ed. or Theme	3
	Total 15		Total 16

Notes:

¹ If you plan to attend graduate or professional school, you will want to complete the CHM 241/242 sequence.

² One course must be selected from MTH 125: Survey of Calculus, MTH 201: Calculus and Analytical Geometry, or STA 215: Introductory Applied Statistics.

³ PHY 221 is not required, but students planning to attend graduate school, professional school, or secondary teacher certification should complete a full year of physics.

⁴ Students who pass out of WRT 305 have room to take a GenEd, Theme, or elective course in this semester.

⁵ One biology elective must be taken from an animal biology course and one from a plant biology course.

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 biology electives.
- The Biology electives consist of 13 credits in Biology at the 200 level. These are in addition to the core. At least 3 credits must be at the 300-400 levels.
- 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.