

Biology (2010-2011)

Pre-Med, Pre-Dent, Pre-Podiatry, Pre-Chiropractic

This is a **general curriculum** guide and is not applicable to every student and is not a replacement for meeting with your advisor. **Consult with your pre-professional advisor early and often!**

-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	CHM 242: Organic Chemistry for Life Science II	4
CHM 241: Organic Chemistry for Life Science I	4	PHY 221: General Physics II	5
MTH Cognate ¹	3	PSY 101: Introductory Psychology (<i>Gen Ed</i>)	3
PHY 220: General Physics I	5	Gen Ed. or Theme	3
Total	15	Total	15
Fall Semester – Year Three	credits	Winter Semester – Year Three	credits
CHM 461: Biochemistry I	4	BIO 375/376: Genetics/ Genetics Lab	4
BIO Elective	3	BIO Elective	3
Elective	3	WRT 305: Writing in the Disciplines ²	3
Gen Ed.	3	Elective	3
Gen Ed.	3	Gen Ed. or Theme	3
Total	16	³ - See below Total	16
Fall Semester – Year Four	credits	Winter Semester – Year Four	credits
BIO 405/406: Cell and Molecular Biology w/lab	6	BIO 495: Evolutionary Biology	3
BIO Elective ⁴	4	BIO Elective ⁴	3
Gen Ed. or Theme	3	Elective	3
Gen Ed. or Theme	3	Gen Ed. or Theme	3
Total	16	Gen Ed. or Theme Total	15

Notes:

¹ One course must be selected from MTH 125: Survey of Calculus, MTH 201: Calculus and Analytical Geometry, or STA 215: Introductory Applied Statistics. Some medical schools require calculus...be sure to check admission pre-requisites.

² Students who pass out of WRT 305 have room to take a GenEd, Theme, or elective course in this semester.

³ Students typically will take the MCAT in April, May, or June.

⁴ 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, and those who still need to complete MTH 110.
- 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/pre-professional electives.
- All medical pre-requisite courses should be taken at a 4 year institution, not a community college. Consult your advisor if you need further assistance.
- The following courses are **strongly** suggested for the biology electives: BMS 208/309 Human Anatomy & Laboratory, BMS 212/213 Introductory Microbiology & Laboratory, BMS290/291 Human Physiology & Lab.
- 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.

Online at: <http://www.gvsu.edu/clasadvising>

Prepared by CLAS Academic Advising Center – 2/4/10