

# 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!**

**-Student is starting in MTH 110-**

Fall Semester –Year One	Credits	Winter Semester	Credits
BIO 120: General Biology I ( <i>Gen Ed</i> )	4	BIO 121: General Biology II	4
MTH 110: Algebra	4	CHM 115: Principles of Chemistry I ( <i>Gen Ed</i> )	5
Gen Ed.	3	WRT 150: Strategies in Writing	4
Gen Ed.	3	MTH 122: College Algebra ( <i>Gen Ed</i> )	3
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>16</b>
Spring Semester – Year One	Credits	Summer Semester – Year One	Credits
Chemistry 116: Principles of Chemistry II	5	MTH 123: Trigonometry	3
Fall Semester – Year Two	Credits	Winter Semester – Year Two	Credits
BIO 215: General Ecology	4	CHM 242: Organic Chemistry for Life	4
CHM 241: Organic Chemistry for Life	4	Science II	
Science I		PHY 221: General Physics II	5
MTH Cognate <sup>1</sup>	3	BIO elective	3
PHY 220: General Physics I	5	PSY 101: Introductory Psychology ( <i>Gen Ed</i> )	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>
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	Elective	3
Elective	3	Elective	3
Gen Ed. or Theme	3	WRT 305: Writing in the Disciplines <sup>2</sup>	3
Gen Ed.	3	Gen Ed. or Theme	3
<b>Total</b>	<b>16</b>	<sup>3</sup> - See below	<b>Total</b>
			<b>16</b>
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 <sup>4</sup>	4	BIO Elective <sup>4</sup>	4
Gen Ed. or Theme	3	Elective	3
Gen Ed. or Theme	3	Gen Ed. or Theme	3
<b>Total</b>	<b>16</b>	<b>Total</b>	<b>16</b>

**Notes:**

<sup>1</sup> 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.

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

<sup>3</sup> Students will typically take the MCAT in April, May, or June.

<sup>4</sup> 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/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>  
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