

# Biology (2011-2012)

## Wildlife

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 prerequisite 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> ) <sup>3</sup>	3	WRT 150: Strategies in Writing	4
Gen Ed.	3	MTH 123: Trigonometry <sup>3</sup>	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>16*</b>
Fall Semester – Year Two	credits	Winter Semester – Year Two	credits
BIO 215: General Ecology	4	BIO 375/376: Genetics/Genetics Lab	4
MTH Cognate <sup>1</sup>	3	<b>CHM 232: Biological Chemistry Or<sup>2</sup></b>	4
<b>CHM 231: Introductory Organic Chemistry Or<sup>2</sup></b>	4	<b>CHM 242: Organic Chemistry for Life Science II</b>	4
<b>CHM 241: Organic Chemistry for Life Science I</b>	4	Gen Ed.	3
Gen Ed.	3	Gen Ed.	3
Elective	1	Elective	1
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>
Fall Semester – Year Three	credits	Winter Semester – Year Three	credits
BIO 405/406: Cell and Molecular Bio. w/lab (SWS)	6	PHY 221: General Physics II <sup>3</sup>	5
PHY 220: General Physics I <sup>3</sup>	5	Gen Ed.	3
BIO 222: Natural History of Vertebrates	3	Gen Ed. or Theme	3
Elective	1	Elective	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>14</b>
Fall Semester – Year Four	credits	Winter Semester – Year Four	credits
NRM 281: Principles of Soil Science	4	BIO 495: Evolutionary Biology	3
BIO 408: Wildlife Management	4	BIO 342: Ornithology	3
Gen Ed. or Theme	3	Gen Ed. or Theme	3
BIO 333: Systematic Botany	3	Elective	3
Elective	1	Elective	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>

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

### 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.

<sup>2</sup> If you plan to attend graduate or professional school, you will want to complete the CHM 241/242 sequence.

<sup>3</sup> MTH 122/123 are prerequisites for PHY 220 and not part of the Biology major. 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.

### 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 taken 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 – 3/8/2011