

Updated 10/27/2014

FRESHMAN			SOPHOMORE			JUNIOR		SENIOR				
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	
Diversity and History of Life <b>BIO 160 (4)</b>	Intro. to Cell and Molecular Biology <b>BIO 161 (4)</b> (Recom: CHEM 110, 111, 124, or 127) [B2/B4]	Intro to Organismal Form and Function <b>BIO 162 (4)</b> (BIO 161. Recom: CHEM 110, 111, 124, or 127)	Introductory Ecology and Evolution <b>BIO 263 (4)</b> (BIO 160 or 161)	Ecology (4) <sup>3</sup> *			Microbiology Elective (3-5) <sup>3</sup> *		Molecular / Cellular Biology Elective (3-4) <sup>3</sup> *			Senior Project <b>BIO 461 or 462 (2)</b> <sup>4</sup> (Jr Standing)
General Chemistry I <b>CHEM 127 (4)</b> *	General Chemistry II <b>CHEM 128 (4)</b> (CHEM 127 or AP CHEM score of 5)	General Chemistry III <b>CHEM 129 (4)</b> (CHEM 125 or 128)	Organic Chemistry <b>CHEM 216 (5)</b> (CHEM 125 or 129) or <b>CHEM 312 (5)</b> (CHEM 111, 124, or 127)	Biochemistry <b>CHEM 313 (5)</b> (CHEM 212, 216, 312, or 316) OR <b>CHEM 371 (5)</b> (CHEM 217 or 317; BIO 161)	GE (4) **	Approved Elective, incl Research, Projects, & Seminars (4) <sup>2</sup> *		Evolution <b>BIO 414 (4)</b> (BIO 263; BIO 303 or 351. Recom: BIO 325)		Botany Elective (4) <sup>3</sup> *		Ecology / Evolution / Conservation Elective (3-4) <sup>3</sup> *
Free Elective (2) <sup>1</sup>	Calculus for the Life Sciences I <b>MATH 161 (4)</b> *	Calculus for the Life Sciences II <b>MATH 162 (4)</b> (MATH 161)	College Physics I <b>PHYS 121 (4)</b> (MATH 118 or 119)	College Physics II <b>PHYS 122 (4)</b> (PHYS 118, 121, 131, or 141)	College Physics III <b>PHYS 123 (4)</b> (PHYS 118, 121, 131, or 141)	Applied Statistics for the Life Sciences <b>STAT 218 (4)</b> *	GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **	Approved Elective, incl. Research, Projects, & Seminars (4-5) *
	Free Elective (1) <sup>1</sup>	Free Elective (2) <sup>1</sup>		GE (4) **	GE (4) **		GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **	
Expository Writing <b>ENGL 133/134 (4)**</b> [A1] Can be taken anytime during Freshman Year			Oral Communication <b>COMS 101/102 (4)**</b> [A2] Can be taken anytime during Freshman Year			Reasoning, Argumentation, & Writing [A3] <b>COMS 126; COMS/ENGL 145; ENGL 148; PHIL 126 (4) **</b> (Completion of GE A1 with a C- or better) Can be taken anytime between Winter of Freshman and Winter of Sophomore Years.		Graduation Writing Requirement <b>GWR*</b> (Can be taken any time after 90 earned units)				
14	17	14	17	17 - 18	16 - 17	16 - 17	15 - 17	15 - 18	14	15 - 16	12 - 13	TOTAL: 180

**Notes:**

**MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET**

\* Refer to current catalog for prerequisites.

\*\* One course from each of the following GE areas must be completed: A1, A2, A3, C1, C2, C3, C4, C1-C5 elective, D1, D2, D3, D4, D5 and F.

C4, D5 and F should be taken only after Junior standing is reached (90 units).

Refer to online catalog for GE course selection, United States Cultural Pluralism (USCP) and Graduation Writing Requirement (GWR).

USCP requirement can be satisfied by some (but not all) courses within GE categories: C3, C4, D1, D3, D4, D5 or F.

<sup>1</sup> Five units of Free Electives required for the degree. Supplemental workshops in Math and Science are recommended (but not required) to satisfy elective credit in your first year.

<sup>2</sup> Advisor Approved Electives-To be chosen with faculty advisor approval. Minimum of 13 units required.

<sup>3</sup> See curriculum display or catalog for Topic Specific Elective options.

<sup>4</sup> BIO 461 or 462 may be chosen. The planning for BIO 462 senior project should start early during the junior year.

† Course can be taken previously or concurrently.

**Legend:**

Course Title		
Course # (Units)	Major (39)	
(Prerequisite)	Support (41)	
[GE Area]	Concentration (39)	
	General Ed. (56)	
	Free Electives (5)	