

11-13 Biological Sciences Major (Ecology Concentration)

180 units required

The following plan is just one EXAMPLE of how to schedule classes to graduate in 4 years. Other schedules may be equally valid. Work with your advisor to develop a plan that meets your needs. Be sure to check your Degree Progress Report (DPR) frequently to ensure you are meeting all degree requirements.

	FRESHMAN YEAR			SOPHOMORE YEAR		
	YEAR. 1 FALL	Year. 1 Winter	Year. 1 Spring	Year. 2 Fall	Year. 2 Winter	Year. 2 Spring
	BIO 160 (4)	BIO 161 (4)	BIO 162 (5)	BIO 263 (4)	CHEM 312/316 (5)	Ecology (4) ²
	CHEM 127 (4)	CHEM 128 (4)	CHEM 129 (4)	PHYS 121 (4)	PHYS 122 (4)	PHYS 123 (4)
	GE Course (4) ⁴ [GE Area A1/A2]	MATH 161 (4)	MATH 162 (4)	STAT 218 (4)	GE A3 (4) ⁴ [Prerequisite: GE A1 & A2]	GE Course (4) ⁴ [Lower division GE C3, D1-D4]
	Elective (2) ⁶ [Suggested Options] SCM 150 workshops	GE Course (4) ⁴ [GE Area A1/A2]	Elective: (2) ⁶ [Suggested Option] SCM 150 workshops	GE Course (4) ⁴ [Lower division GE C3, D1-D4]	GE Course (4) ⁴ [Lower division GE C3, D1-D4]	GE Course (4) ⁴ [Lower division GE C3, D1-D4]
Total Units	14	16	15	16	17	16

	JUNIOR YEAR - See your advisor regarding graduation requirements			SENIOR YEAR		
	Year. 3 FALL	Year. 3 Winter	Year. 3 Spring	Year 4. Fall	Year 4. Winter	Year 4. Spring
	BIO 351 (5)	Biological Diversity (4) ¹	Physiology (4) [Bio 361, 434, 435]	BIO 461/ 462 ⁵ (2)	Advisor Approved Elective ³ (4)	Methodology (3-4) ⁶
	Global Ecology (4) [Bio 415; Geog 250, 333; Univ 350]	Ecology of the Individual (4-5) [Bio 434, 435; Mcro 424; Zoo 437]	Population Ecology (3-4) [Bio 327, 401, 439, 444]	Advisor Approved Elective ³ (4)	Community Ecology (4) [Bio 325, 328; Bot 326, 433; Mcro 436]	BIO 414 (4)
	GE Course (4) ⁴	Methodology (4) ⁶	GE Course (4) ⁴	GE Course (4) ⁴	Advisor Approved Elective ³ (2-4)	Advisor Approved Elective ³ (0-2)
	Methodology (3-4) ⁶	GE Course (4) ⁴	GE Course (4) ⁴	GE Course (4) ⁴ [upper division: C4/D5/F]	GE Course (4) ⁴ [upper division: C4/D5/F]	GE Course (4) ⁴ [upper division: C4/D5/F]
Total Units	16-17	16-17	15-16	14	14-16	11-14

Courses may not always be taught in the quarter shown. Check with the Biology department for the most current list of projected course offerings.

Last updated: 5/28/11

¹ Choose from the list in the major titled "Biological Diversity". Note: Many of these courses are listed in the Ecology concentration. Courses cannot double count between major and concentration.

² Choose from the list in the major titled "Ecology": BIO 325 327, 328, 401; BOT 326; MCRO 436. Courses cannot double count between major and concentration.

³ Advisor Approved Electives - To be chosen with faculty advisor approval. Total of 10-14 required.

⁴ Choose one course from each of the following GE areas: A1, A2, A3; C1, C2, C3, C4, C1-C4; D1, D2, D3, D4, D5; F. Some GE courses will also double-count for the USCP and GWR requirements. Take upper division GE's [C4, D5, F] after completing 90 units.

⁵ Bio 461 or 462 may be chosen. The planning for Bio 462 senior project should start during the junior year. Many students take more than one quarter to complete a project.

⁶ Methodology – Select 3 courses from the following: BIO/CHEM 375; BIO 419, 443; LA/NR 318; STAT 313, 419.

⁶ 4 units of Elective credit are required for the major. Supplemental workshops in Math and Science are recommended to meet elective requirement (but not required) in your first year.