

11-13 Biological Sciences Major (Molecular and Cellular Biology 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)	MCRO 224 (5) [satisfies Biodiversity requirement]	Ecology (4) ²
	CHEM 127 (4)	CHEM 128 (4)	CHEM 129 (4)	STAT 218 (4)	CHEM 316 (5)	CHEM 317 (5)
	GE A1/A2 ⁴ (4)	MATH 161 (4)	MATH 162 (4)	PHYS 121 (4)	PHYS 122 (4)	PHYS 123 (4)
	Elective (2) ⁶ [Suggested Options] SCM 150 workshops	GE A1/A2 (4) ⁴	Elective: (2) ⁶ [Suggested Option] SCM 150 workshop	GE A3 (4) ⁴ [Prerequisite: GE A1 & A2]		GE Course (4) ⁴
Total Units	14	16	15	16	14	17

	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)	BIO/CHEM 375 (3)	Physiology (4) [Bio 361, 434, 435]	BIO 452 (4) <i>or</i> BIO 414 (4)	BIO 452 (4) <i>or</i> BIO 414 (4)	CHEM 474 <i>or</i> BIO/CHEM 476 (2)
	CHEM 371 (5)	CHEM 372 (4)	Advisor Approved ³ <i>or</i> Concentration ¹ Elective (4)	BIO 461/ 462 ⁵ (2)	Advisor Approved ³ <i>or</i> Concentration ¹ Elective (4)	Advisor Approved ³ <i>or</i> Concentration ¹ Elective (4)
	GE Course (4) ⁴	Advisor Approved ³ <i>or</i> Concentration ¹ Elective (4)	GE Course (4) ⁴	GE Course (4) ⁴	GE Course (4) ⁴	GE Course (4) ⁴
		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	14	15	16	14	16	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 8 units from the following: BIO 405 (4), BIO 426 (4), BIO/CHEM 441 (4), BIO/CHEM 476 (2) or CHEM 474 (2), BOT 450 (2), MCRO 402 (4), MCRO 433 (3), SCM 201 (1).

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 8 units required. See curriculum display for options.

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 and F] in junior/senior year 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 4 units of Elective credit are required for the major. Supplemental workshops in Math and Science are recommended (but not required) in your first year.