

## 11-13 Biological Sciences Major (Biology Teaching 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)	Ecology or Biological Diversity (4) <sup>1</sup>	STAT 218 (4)
	CHEM 127 (4)	CHEM 128 (4)	CHEM 129 (4)	CHEM 312/316 (5)	GE Course (4) <sup>3</sup>	SCM 300 (4) <sup>5</sup>
	GE A1/A2 <sup>3</sup> (4)	MATH 161 (4)	MATH 162 (4)	PHYS 121 (4)	PHYS 122 (4)	PHYS 123 (4)
	Elective (2) [Suggested Options] SCM 150 workshops	GE A1/A2 (4) <sup>3</sup>	Elective: (2) [Suggested Option] SCM 150 workshop	GE A3 (4) <sup>3</sup> [Prerequisite: GE A1 & A2]	GE Course (4) <sup>3</sup> [KINE 250 (GE D4)]	GE Course (4) <sup>3</sup>
Total Units	14	16	15	17	16	16

	JUNIOR YEAR			SENIOR YEAR		
	* See your advisor in Fall regarding graduation requirements.			** See your teaching credential faculty advisor in Fall for application process		
	Year. 3 FALL*	Year. 3 Winter	Year. 3 Spring	Year 4. Fall **	Year 4. Winter	Year 4. Spring
	BIO 361 (4) [Physiology]	BIO 432 (5)	BIO 433 (5)	BIO 461 or 462 (2)	BIO 452 (4) or BIO 414 (4)	BIO 452 (4) or BIO 414 (4)
	Biological Diversity or Ecology (4) <sup>1</sup>	MCRO 320 (3)	BIO 351 (5)	[Advisor Approved Elective] <sup>2</sup> (3)	[Advisor Approved Elective] <sup>2</sup> (4)	[Advisor Approved Elective] <sup>2</sup> (4)
	GE Course (4) <sup>3</sup>	GE Course (4) <sup>3</sup>	GE Course (4) <sup>3</sup>	BIO/PSC 424 <sup>6</sup> (4) <b>SEE NOTE <sup>6</sup> BELOW</b>	GE Course (4) <sup>3</sup> [upper division: C4/D5]	SCM 451 (3)
	GE Course (4) <sup>3</sup>	GE Course (4) <sup>3</sup>	[Senior Project Planning]	GE Course (4) <sup>3</sup> [upper division: C4/D5]		GE Course (4) <sup>3</sup> [SCM 330 for Area F]
Total Units	16	16	14	13-14	12	15

**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**

<sup>1</sup> MCRO224 is recommended. MCRO224 is a prerequisite for MCRO320, which is a required course for the Biology Teaching Concentration.

<sup>2</sup> Advisor Approved Electives - Total of 11 units required. Consultation with faculty advisor is strongly recommended prior to selecting approved electives.

<sup>3</sup> 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. For the GE D4 area, take KINE 250 and for GE F, take SCM 330 to fulfill teaching credential requirements. Note: Some GE courses will also double-count for the USCP and GWR requirements. Take upper division GE's [C4, D5 and F] after completing 90 units.

<sup>4</sup> 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.

<sup>5</sup> SCM300 is offered every quarter, however, Biology students are only permitted to enroll in Spring (The Course is exclusively for Math Majors in Fall and Winter). If SCM300 does not fit your schedule, EDUC300 (offered every quarter) could be substituted with Advisor approval.

<sup>6</sup> You **MUST** meet with the credential advisor (Prof. Himelblau, 33-365, ehimelbl@calpoly.edu) prior to registering for BIO/PSC 424.