

Updated 5/25/2022

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
Diversity & History of Life BIO 150 (4)	Intro to Cell & Molecular Biology BIO 161 (4) (Recom: CHEM 110, 124, or 127) [B2 & B3]	Intro to Organismal Form & Function BIO 162 (4) (BIO 161, Recom: CHEM 110, 111, 124, or 127)	Principles of Animal Physiology BIO 361 (4) (BIO 162; CHEM 216, 312, or 316)	Ecology (choose one) BIO 327, 363, 442; BOT 326; MCRO 436; MSCI 300 (4)*		Principles of Genetics BIO 351 (5) (BIO 161; CHEM 216, 312, or 316, Recom: BIO 263; STAT 217 or 218)			Evolutionary Medicine or Evolution (choose one) BIO 413 or 414 (4)*		
	Calculus for the Life Sciences I MATH 161 (4) * [B4]	Calculus for the Life Sciences II MATH 162 (4) (MATH 161) [GE Elective]	Introductory Ecology & Evolution BIO 263 (4) (BIO 150 or 161)	College Physics I PHYS 121 (4) *	College Physics II PHYS 122 (4) (PHYS 121 or 141)	College Physics III PHYS 123 (4) (PHYS 118, 121, 131, or 141, Recom: PHYS 122)		Core Anatomy & Physiology Course (4)^{3,6} *	Senior Project BIO 461 or 462 (2)*		
General Chem for Agriculture & Life Science I CHEM 127 (4) * [B1 & B3]	General Chem for Agriculture & Life Science II CHEM 128 (4) (CHEM 127 or AP CHEM score of 5)	General Chem for Agriculture & Life Science III CHEM 129 (4) (CHEM 128)	CHEM 216 (5) (CHEM 126 or 129 w/min C- or Instr. Consent) OR CHEM 312 (5) (CHEM 125 or 128)		Applied Statistics for the Life Sciences STAT 218 (4) *	Approved Elective (4)^{5,6}*			Department Elective (3)^{4,6}*		
Oral Communication COMS 101/102 (4)** [A1]			Biodiversity Course (4)^{2,6}*			Approved Elective (4)^{5,6}*			Cell Biology BIO 452 (4) (BIO 351 or CHEM 373; CHEM 216, 312, or 316, Recom: CHEM 314 or 369)		
Expository Writing ENGL 133/134 (4)** [A2]			GE (4) **	GE (4) **	GE (4) **	Approved Elective (4)^{5,6}*			Core Anatomy & Physiology Course (4)^{3,6} *	Core Anatomy & Physiology Course (4)^{3,6} *	Core Anatomy & Physiology Course (4)^{3,6} *
	Reasoning, Argumentation, & Writing [A3] COMS 126, 145, ENGL 145, 147, ES 145, PHIL 126, or WGQS 145 (4)** (Completion of GE A2 with a C- or better) Can be taken anytime between Winter of Freshman and Winter of Sophomore Years.					Approved Elective (3)^{5,6}*			Choose one: CHEM 314 or CHEM 369 (5)*		
Free Elective (2)¹	Free Elective (2)¹	Free Elective (1)¹				GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **
						Graduation Writing Requirement GWR* (Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)			GE (4) **		
14	18	17	17	16	12	13	13	15	14	15	16
										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, Upper-Division B, C1, C2, Lower-Division C Elective, Upper-Division C, D1, D2, Upper-Division D, Lower-Division E, F, and GE Elective. Upper-Division B, Upper-Division C, and Upper-Division D 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: Upper-Division B, C1, Upper-Division C, D1, D2, Upper-Division D, or E.

¹ 5 units of Free Electives required. SCM 150 workshops for Math/Science courses recommended for remaining units.

² **Biodiversity Course:** (4 units) See Catalog for course options and guidelines. Excess units will be applied to Approved Electives. MCRO 224 recommended for students interested in health sciences careers.

³ **Core Anatomy & Physiology Courses:** (16 units) See Catalog for course options and guidelines. Excess units will be applied to Approved Electives.

⁴ **Department Elective:** (3 units) See Catalog for course options and guidelines. Excess units will be applied to Approved Electives.

⁵ **Approved Electives:** (11 units) See Catalog for course options and guidelines.

⁶ Consultation with advisor is recommended prior to selecting electives; bear in mind your selections may impact pursuit of post-baccalaureate studies and/or goals. Choose electives carefully to ensure that you meet the required 60 units of 300-400 level courses.

For information on health profession careers, refer to the pre-health website: www.prehealth.calpoly.edu

Legend:

Course Title	Major (35)
Course # (Units)	Support (41)
(Prerequisite)	Concentration (43)
[GE Area]	General Ed. (56)
	Free Electives (5)