

Molecular and Cellular Biology Concentration

This is one plan for completing the degree in four years. There are many other equally valid ways of scheduling these courses. Work with your advisor to develop a plan that is tailored to your needs. Please check the Biological Sciences Department course offerings list for information on when major courses are offered other than what is listed below.

Quarter	FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
Major	BIO 160 (4)	BIO 161 (4)	BIO 162 (5)	BIO 263 (4)	MCRO 224 ¹ (5)	Ecology ² (4)	BIO 351 (5)	BIO/CHEM 375 (2)	BIO 361/434/435 (4)	BIO 461 or 462 (2) ⁵	BIO 414 (4)	MCB ⁴ Elect (4)
						CHEM 317 (5)	CHEM 371 (5)	CHEM 372 (3)	CHEM 474 or BIO/ CHEM 476 (2)	BIO 452 (4)	Conc. ³ Elect (4)	Conc. ³ Elect (4)
								Conc. ³ Elect (2)	MCB ⁴ Elect (4)			
Support	CHEM 127 (4)	CHEM 128 (4)	CHEM 129 (4)	PHYS 121 (4)	PHYS 122 (4)	PHYS 123 (4)						
		MATH 161 (4)	MATH 162 (4)	STAT 218 (4)	CHEM 316 (5)							
GE Courses	ENGL 134 or COMS 101/102 (4)		ENGL 134 or COMS 101/102 (4)	GE ⁶ (4)		GE ⁶ (4)	GE ⁶ (4)	GE ⁶ (4)	GE ⁶ (4)	GE ⁶ (4)	GE ⁶ (4)	GE ⁶ (4)
GE Courses/ Electives	BIO 100 (1)	Free Elect (2)						GE ⁶ (4)		GE ⁶ (4)	GE ⁶ (4)	GE ⁶ (4)
	Free Elect. (1)											
Units	14	14	17	16	14	17	14	15	14	14	16	16

Note: Many of the upper-division electives are only taught one quarter/year; be sure to find out which quarter the ones you want to take are offered.

¹ Fulfills Biodiversity requirement.

² Choose from: BIO 318, 325; BOT 326; MCRO 436.

³ To be chosen with advisor approval. 10 units required.

⁴ Choose 8 units from the following: BIO 405; BIO/CHEM 441; BOT 450, CHEM 473 or BIO 426, MCRO 402, MCRO 433, SCM 201

⁵ Planning for the senior project should start during the junior year; many students take more than one quarter to complete the project.

⁶ 56 units of General Education (GE) courses are required for graduation. You must take one course from each of the following areas: A3, C1, C2, C3, C4, C1-4; D1, D2, D3, D4, D5; F.