

BS –Cellular and Molecular Biology Major Suggested Course Sequence
based on 2019-2020 catalog requirements

This Suggested Course Sequence is a potential plan for how to complete the major within four years. Please consult with a departmental faculty advisor for course advisement.

Year	Autumn Quarter	Winter Quarter	Spring Quarter	Any Quarter	Comments
1	BIO 1859 (1)*			MAT 1221 (5) or MAT 1234 (5)****	* Math Placement Test should be taken if you are at Math Level 0 or A at time of admission; Math Level B is a pre-requisite for BIO 2102, BIO 2103 and MAT 2360. Take calculus placement test in Autumn. ** BIO 2102 and 2103 can be taken in either order ***CHM 1213/2213 is recommended for most post-graduate programs. ****MAT 1235 and 1236 is recommended for most post-graduate programs.
	BIO 2101 (5) CHM 1211 (5)	BIO 2102 or 2103 (5)** CHM 1212 (5)	BIO 2102 or 2103 (5)** CHM 1213 (3)*** CHM 2213 (2)***		
	CHM 1310 (5)	BIO 2101 (5) CHM 1211 (5)	BIO 2102 (5)** CHM 1212 (5)		
	CHM 1211 (5)	BIO 2101 (5) CHM 1212 (5)****	BIO 2102 (5)** CHM 1213 (3)*** CHM 2213 (2)***		
2	PHY 1101 or 1121 (5)*	PHY 1102 or 1122 (5)*	PHY 1103 or 1123 (5)*	•MAT 2360 (5)** •3 credits of research: BIO 4978 (1) and 4979 (2) in years 2-4.	* Physics is recommended for most post-graduate programs **MAT 2360 is a prerequisite for BIO 3325 ***CHM 1213/2213 is recommended for most post-graduate programs.
	CHM 3371 (5)	CHM 3372 (5)	CHM 3373		
	BIO 2103 (5)		CHM 1213 (3)*** CHM 2213 (2)***		
	BIO 2103 (5)				
3	BIO 3325 (5) *	BIO 4325 (5)	BIO 3351 (5) BIO 4352 (5)	•BIO 3899 (1) •5 credits of Physiology selected from: BIO 4410, 4413, 4415, 4418 or 4256 in years 3-4**. •10 credits of elective courses selected from: BIO 3320, 3350, 3615, 4330, 4360, 4415, 4418, 4420 or 4744 in years 3-4.	* BIO 3325 is offered both Aut and Win. It is a pre-requisite for BIO 4330, which is only offered in Win. ** Bio 4415 and 4418 can count as either physiology or elective, but not both. Check the time schedule, as most upper division courses are offered only in certain quarters, and some courses are offered in alternate years.
	CHM 3225 (5)				
	CHM 3371 (5)	CHM 3372 (5)	CHM 3373 (5)		
4	BIO 4361 (5)	BIO 4362 (5)		•BIO 4899 (must take twice, 2 cr total)	
	CHM 3225 (5)				

All courses are sequential, unless otherwise noted.

Autumn track BIO2101 (BPL3 and Chm Placement score >35); Winter track BIO2101 (BPL2 and/or Chm Placement score <35); Winter track BIO2101 (BPL2 and Chm Placement score >35)