

Biology Major: Cellular & Molecular Biology Option Example of a Four-Year Curriculum Plan

Year One: Fall Semester		Year One: Spring Semester	
CLASS	HOURS	CLASS	HOURS
BI 111 Principles of Biology	4	BI 112 Principles of Biology	4
CH 111 General Chemistry I	3	CH 112 General Chemistry II	3
CH 111L General Chemistry Lab	1	CH 112L General Chemistry Lab	1
EN 111 First-Year Composition I	3	EN 112 First-Year Composition II	3
MA 112 Pre-Calculus Algebra	3	MA 113 Pre-Calculus Trigonometry	3
FYE 101 First Year Experience	1		
SEMESTER TOTAL	15	SEMESTER TOTAL	14

Year Two: Fall Semester		Year Two: Spring Semester	
CLASS	HOURS	CLASS	HOURS
EN literature (200-level)	3	Area II Humanities Elective	3
HI 101 or 201	3	HI 102 or 202	3
BI 200W Biological Literature	1	BI 307 Microbiology	4
CIS 125 Business Software Applications	3	Area IV Elective	3
MA 125 Calculus I	4	COM 201 Fundamentals of Speech	3
Area II Fine Arts Elective	3		
SEMESTER TOTAL	17	SEMESTER TOTAL	16

Year Three: Fall Semester		Year Three: Spring Semester	
CLASS	HOURS	CLASS	HOURS
CH 311 Organic Chemistry I	4	CH 312 Organic Chemistry II	4
CH 311L Organic Chemistry I Lab	1	CH 312 Organic Chemistry II Lab	1
BI 305 Cell Biology	4	BI 312 Evolution	3
BI 333 Biostatistics	3	BI Organismal Course	3-4
BI 306 Genetics	4	BI 421 Ecology	4
		BI 495 Research/Internship	1
SEMESTER TOTAL	16	SEMESTER TOTAL	16-17

Year Four: Fall Semester		Year Four: Spring Semester	
CLASS	HOURS	CLASS	HOURS
PH 241 General Physics I	4	BI 498 Senior Assessment	1
BI Organismal course	3-4	PH 242 General Physics II	4
BI 415 Molecular Biology	4	Area IV Elective	3
BI 495 Research/Internship	2	BI Organismal Course	3-4
CH 321 Quantitative Analysis	3	CH 441 Biochemistry	3
CH 321LW Quantitative Analysis Lab	2	BI 495 Research/Internship	1
SEMESTER TOTAL	18-19	SEMESTER TOTAL	15-16
Total Hours 127-130			

This sheet is for planning purposes ONLY. Plan is based on requirements for the 2019-2020 academic year. This planning sheet suggests one possible route by which you may complete your undergraduate degree in four years and includes all the required courses for graduation. Your sequence of classes may vary. Students may complete six hours of foreign language at the beginning level to earn a B.A. degree.