

B.S. Biology, Cellular & Molecular Biology concentration – four-year graduation plan

*This is an example of a four-year graduation plan for a degree in Biology, with the Cellular & Molecular concentration. Courses marked with * are electives within the major; other choices are available.*

Year 1

Autumn

BIOB 160N/161N—Principles Living Systems/Lab (4)
! CHMY 141N/142N—College Chemistry I/Lab (5)
! M 162—Applied Calculus (4) [or M 171 Calculus I] Elective (1)
Total: 14 credits

Spring

BIOB 170N/171N—Biological Diversity/Lab (5)
CHMY 143N/144N—College Chemistry II/Lab (5)
! WRIT 101—College Writing I (3)
General Education Requirement (3)
Total: 16 credits

Year 2

Autumn

BIOB 260—Cell and Molecular Biology (4)
CHMY 221/222—Organic Chemistry I/Lab (5)
BIOM 360/361—General Microbiology/Lab (5)
Elective (1)
Total: 15 credits

Spring

BIOB 272—Genetics and Evolution (4)
CHMY 223/224—Organic Chemistry II/Lab (5)
Intermediate Writing Course (3)
General Education Requirement (3)
Total: 15 credits

Year 3

Autumn

BCH 480—Advanced Biochemistry I (3)
BIOB 301—Developmental Biology (3)
PHSX 205N/206N—College Physics I/Lab (5)
Elective (4)
Total: 15 credits

Spring

BCH 482—Advanced Biochemistry II (3)
BIOB 375—General Genetics (3)
PHSX 207N/208N—College Physics II/Lab (5)
General Education Requirement (3)
Total: 14 credits

Year 4

Autumn

*BIOB 410—Immunology (3)
*BIOB 411—Immunology Lab (2)
*CHMY 311—Analytical Chemistry (4)
General Education Requirement (3)
Upper Division Elective (3)
Total: 15 credits

Spring

BIOB 425—Advanced Cell & Molecular Biology (3)
*BIOB 486—Genomics (3)
*BIOM 490—Advanced Undergraduate Research (1)
General Education Requirements (6)
Upper Division Elective (3)
Total: 16 credits

! Eligibility depends on placement exams

**See [catalog](#) or your advisor for details on alternative course choices.*

9/15/23