

Biology Major – Cellular & Molecular Option With Chemistry Minor

Major Core Requirements

BI 111 (4) Principles of Biology	_____
BI 112 (4) Principles of Biology	_____
BI 200W (1) Biological Literature	_____
BI 305 (4) Cell Biology	_____
BI 306 (4) Genetics	_____
BI 307 (4) Microbiology	_____
BI 498 (1) Senior Assessment Seminar	_____

Organismal Biology (Protists, Fungi, Plants)

One course selected from the following:

BI 362 (4) Non-Vascular Plants	_____
BI 363 (4) Vascular Plants	_____
BI 460 (3) Plant Physiology	_____
BI 463 (3) Plant Taxonomy	_____

Organismal Biology (Protists, Animals)

One course selected from the following:

BI 310 (4) Comparative Vertebrate Morphology	_____
BI 311 (4) Animal Physiology	_____
BI 340 (4) Invertebrate Zoology	_____
BI 433 (4) Embryology	_____
BI 453 (4) Ichthyology	_____
BI 471 (4) Parasitology	_____
BI 472 (4) Histology	_____

Population Biology

BI 312 (3) Evolution	_____
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One course selected from the following:

BI 411 (4) Coastal Wetlands (at DISL)	_____
BI 412 (4) Marine Ecology (at DISL)	_____
BI 413 (4) Marine Behavioral Ecology (at DISL)	_____
BI 421 (4) Ecology	_____
BI 423 (4) Aquatic Ecology	_____

Cell/Molecular Biology

BI 415 (4) Molecular Biology	_____
CH 441 (3) Biochemistry	_____

Choose a minimum of 8 hours from the following :

BI 406 (4) Microbial Ecology and Evolution	_____
BI 409 (3) Immunology	_____
BI 495 (1-4) Research/Internship	_____
BI 455W (4) Paleobiology	_____
BI 499 (1-4) Special Topics in Biology	_____
CH 321(3), 321LW (2) Quantitative Analysis	_____
CH 322(3), 322LW (2) Instrumental Analysis	_____

Required Supporting Courses

CH 111 (3), 111L (1) General Chemistry	_____
CH 112 (3), 112L (1) General Chemistry	_____
CH 311 (4), 311L (1) Organic Chemistry I	_____
CH 312 (4), 312L (1) Organic Chemistry II	_____

CIS 125 (3) Business Software Applications or CS 135 (3) Computer Skills for Problem Solving	_____
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MA 345 (3) Applied Statistics I or BI 333 (3) Biostatistics	_____
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Select one or more from the following, if required :

MA 112 (3) College Algebra	_____
MA 113 (3) College Trigonometry	_____
MA 115 (4) Pre-calculus Algebra & Trigonometry	_____

Select the following sequence or course:

MA 121 (3) Calculus for Business and Life Sciences I & MA 122 (3) Calculus for Business and Life Sciences II	_____
MA 125 (4) Calculus I	_____

Select **one** of the following sequences:

PH 241(4) General Physics I & PH 242 (4) General Physics II	_____
PH 251(5) Technical Physics I & PH 252 (5) Technical Physics II	_____

Additional Graduation Requirements

General Education components completed?	_____
Overall UNA GPA minimum of 2.0?	_____
Major and minor course GPA minimum of 2.0?	_____
Minimum 120 hours for graduation?	_____
Minimum of 30 hours from UNA?	_____
Minimum of 36 hours at 300-400 level?	_____
Minimum of 60 hours at four-year institution?	_____
Applied for graduation?	_____