

Suggested Sequences* FOR THE NEW PROGRAMS IN **BIOLOGY**



**Actual sequences may differ due to course availability, student preparation, and other personal factors. Be sure to consult your academic advisor for guidance on course selection.*

B.S. in BIOLOGY

Freshman Year:

BIOL 1301 Unicellular Organisms
BIOL 1402 Plants
BIOL 1403 Animals
CHEM 1410 & 1420 General Chemistry I & II

Sophomore Year:

BIOL 3440 Comparative Anatomy
BIOL 2110 Environmental Seminar
BIOL 4430 Ecology
GEOS 1405 Environmental Geology
CHEM 3410 & 3420 Organic Chemistry I & II
OR CHEM 3440 Environmental Chemistry
& GEOS 1410 Physical Geology

Junior Year:

BIOL 3460 Genetics
BIOL 4450 Advanced Botany
PHYS 1410 General Physics I

Senior Year:

BIOL 4201 Senior Capstone
BIOL 4101 Biological Literature

Whenever Possible:

MATH 3351 Statistics
GEOG 3330 Biogeography
General Education course work
BIOL Electives

B.S. in BIOMEDICAL SCIENCE

Freshman Year:

BIMS 1300 Intro. to Scientific Research
BIOL 1301 Unicellular Organisms
BIMS 1101 Unicellular Lab
CHEM 1410 & 1420 General Chemistry I & II

Sophomore Year:

BIOL 3410 Microbiology
BIOL 3430 Human Physiology
BIOL 3460 Genetics
CHEM 3420 & 3420 Organic Chemistry I & II

Junior Year:

BIOL 4320 Molecular & Cellular Biology
BIMS 4120 Molecular & Cellular Biology Lab
BIMS 4000 BIMS Junior Exam
BIMS 4250 Advanced Bioscience Lab
BIOL 4310 Immunology
PHYS 1410 & 1420 General Physics I & II

Senior Year:

BIMS 4201 BIMS Senior Capstone
BIOL 4101 Biological Literature

Whenever Possible:

MATH 2421 Calculus I or MATH 3351 Statistics
General Education course work
BIOL electives

B. S. in LIFE SCIENCES

Freshman Year:

BIOL 1301 Unicellular Organisms
BIOL 1402 & 1403 Plants & Animals, OR BIOL 2401 & 2402 Human Anatomy & Physiology I & II
CHEM 1405 & 1406 Fundamentals of Chemistry I & II, OR CHEM 1410 & 1420 General Chemistry I & II (*can be taken in sophomore year if preferred*)

Sophomore Year:

BIOL 1402 & 1403 Plants & Animals (if BIOL 2401 & 2402 Human Anatomy & Physiology I & II taken previously)
BIOL 3440 Comparative Anatomy & BIOL 3430 Human Physiology, OR BIOL 2401 & 2402 Human Anatomy & Physiology I & II (if BIOL 1402 Plants & BIOL 1403 Animals taken previously)

Junior Year: (*some may be taken in senior year*)

BIOL 3410 Microbiology
BIOL 3460 Genetics
BIOL 4430 Ecology
PHYS 1410 General Physics I

Senior Year:

BIOL 4201 Senior Capstone
BIOL 4101 Biological Literature

Whenever Possible:

MATH 2421 Calculus OR MATH 3351 Statistics
General Education course work
BIOL electives
A Required Minor (*18-24 credit hours*)