

2010-2011

# Suggested\*Sequence FOR THE 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 1403 Animals  
CHEM 1410 & 1420 General Chemistry I & II

### Sophomore Year:

BIOL 1402 Plants  
BIOL 3440 Comparative Anatomy  
BIOL 2110 Environmental Seminar  
BIOL 4430 Ecology  
GEOS 3210 Geology of Texas  
GEOS 3220 Applied 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  
GEOG 3330 Biogeography  
BIOL Elective

### Senior Year:

BIOL 4201 Senior Capstone  
BIOL 4101 Biological Literature  
BIOL Electives

### Whenever Possible:

MATH 3351 Statistics  
General Education course work

## B.S. in BIOMEDICAL SCIENCE

### Freshman Year:

BIMS 1300 Intro. to Scientific Research  
BIOL 1301 Unicellular Organisms  
BIMS 1101 Unicellular Organisms 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:

BIMS 4320 Molecular & Cellular Biology  
BIMS 4120 Molecular & Cellular Biology Lab  
BIMS 4000 BIMS Junior Exam  
BIMS 4250 Advanced Bioscience Lab  
BIMS 4X91 or BIMS 4X92 Advanced Topics  
PHYS 1410 & 1420 General Physics I & II

### Senior Year:

BIMS 4201 BIMS Senior Capstone  
BIOL 4101 Biological Literature  
BIMS Electives

### Whenever Possible:

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

## 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 1400 Intro Physics OR PHYS 1410 General Physics I

### Senior Year:

BIOL 4201 or BIMS 4201 Senior Capstone  
BIOL 4101 Biological Literature  
BIOL or BIMS Electives

### Whenever Possible:

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