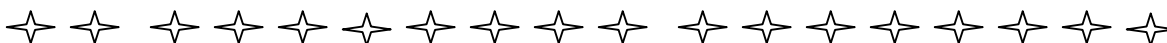


Department of Biological Sciences

CURRICULUM REQUIREMENTS FOR THE B.S. IN BIOLOGY SPRING 2003

GENERAL

- ❖ Students must pass 124 semester hours with at least a 2.0 GPA and have a 2.0 average for courses taken in biological sciences. Typically, students must take 15+ credit hours each semester to graduate in four years.
- ❖ Students must fulfill the university and college requirements as well as the requirements for the Biology major.
- ❖ General Electives: enough to satisfy College minimum of 124 hrs. May be taken any semester.



COLLEGE REQUIREMENTS

- ❖ ENGL 1110 (Basic Composition, 3 credit hours)
- ❖ One of ENGL 1130-1230 (Advanced Composition, 3)
- ❖ Foreign Language 1110 and 1120 or 1500 (4 hours each)
- ❖ Foreign Language 2140 and 2150 (3 hours each)

Humanities - 5 courses (no more than two courses from any department)/15 semester hours required:

- ❖ One from ENGL 2700-2800 (English Literature, 3)
- ❖ One from History (3)
- ❖ One from Art, Music, or Theater and Film Departments (3)
- ❖ Two other courses from Art, English, Foreign Language, History, Humanities, Music and Dance, Philosophy, or Theater and Film (6)

Social Sciences - 3 courses (from at least two departments)/9 semester hours required:

- ❖ Courses from Anthropology, Communication, Economics, Geography, Political Science, Psychology, or Sociology
 - ❖ One Writing Across the Curriculum (WAC) class other than BIOL 4700* (3)
 - ❖ One Multi-Cultural (Diversity in the United States, 3)* (see UT catalog, pg 20)
 - ❖ One Multi-Cultural (Non-Western Civilization, 3)* (see UT catalog, pg 20)
- *These courses may be combined with Humanities and Social Science electives.

RECOMMENDED SEQUENCE OF MAJOR REQUIREMENTS

- ❖ The following list shows the required courses for the Biology major. Courses are listed in order the department recommends they be taken. There will be variation from this schedule depending on the background of each student. For example, students may be able to test out of introductory courses for Foreign Languages, English, and Mathematics.

Freshman Year: Fall Term

- ❖ ARS 1000 (FYI, 1)
- ❖ BIOL 2150/2160 (Fundamentals of Life Science I- Lecture/Lab, 4/1)
- ❖ CHEM 1230/1280 (General Chemistry I- Lecture/Lab, 4/1)
- ❖ MATH 1750 (Math for Life Sciences I, 4) or MATH 1850 (Calculus I, 4)

Freshman Year: Spring Term

- ❖ BIOL 2170/2180 (Fundamentals of Life Science II, Lecture/Lab, 4/1)
- ❖ CHEM 1240/1290 General Chemistry II, Lecture/Lab, 4/1)
- ❖ MATH 1760 (Math for Life Sciences II, 3) or MATH 1860 (Calculus II, 4)

Sophomore: Fall Term

- ❖ BIOL 3010 (Molecular Genetics, 3)
- ❖ CHEM 2410 (Organic Chemistry, 3)
- ❖ CHEM 2460 (Organic Chemistry Lab, 1)

Sophomore: Spring Term

- ❖ BIOL 3030 (Cell Biology, 3)
- ❖ BIOL 3070 (Human Physiology, 3) or BIOL 3410 (Plant Physiology, 3); these may also be taken in the junior year.
- ❖ CHEM 2420 (Organic Chemistry, 3)

Junior: Fall Term

- ❖ BIOL 3090 (Developmental Biology, 3)
- ❖ PHYS 2070 (General Physics, 5) or PHYS 2130 (Physics for Sci./Eng, 5)

Junior: Spring Term

- ❖ PHYS 2080 General Physics, 5) or PHYS 2140 (Physics for Sci./Eng, 5)
- ❖ BIOL 3070 (Human Physiology, 3) or BIOL 3410 (Plant Physiology, 3); these may also be taken in the sophomore year.

Junior/Senior Years:

BIOL Electives (at least 9 hrs) to include two BIOL Labs:

- ❖ Elective lectures include Microbiology, Immunology, Parasitology, Invertebrate Zoology, Molecular Biology, Developmental Genetics, Topics in Cancer Biology, Human Nutrition, Comparative Vertebrate Anatomy
- ❖ Lab course choices: Molecular Genetics, Cell Biology, Microbiology, Immunology, Developmental Biology, Comparative Vertebrate Anatomy, Invertebrate Zoology, Biology Internship, Undergraduate Research

Senior Year (spring/fall):

- ❖ BIOL 4700 (Biological Literature and Communication; WAC Course, 3)
- ❖ BIOL electives as noted above.