



		Biology Courses	Chemistry Courses	Physics Courses	Math/Statistics Courses
1ST YEAR	Fall Semester		Principles of Chemistry I (CHEM:1110)		Calculus, or Math Leading to Calculus (1 course, see options) ^A
	Spring Semester	Foundations of Biology (BIOL:1411)	Principles of Chemistry II (CHEM:1120)		
2ND YEAR	Fall Semester	Diversity of Form & Function (BIOL:1412)	Organic Chemistry I (CHEM:2210)		Statistics (1 course, see options) ^B
	Spring Semester	Fundamental Genetics (BIOL: 2512)		Physics (2 courses, see options) ^C	
3RD YEAR	Fall Semester	Evolution (BIOL:3172)	Biochemistry (BIOC:3110) or Organic Chemistry II (CHEM:2220)		
	Spring Semester				
4TH YEAR	Fall Semester	Biology Breadth Requirements (3 courses, see options) ^D	Biology Electives (3 courses, see options) ^E	Course with Laboratory (1 course, see options) ^F	<p>For more information, please contact the Biology Academic Advisor: Amy Korthank 144 Biology Building Phone: 319-353-2484 Email: amy-korthank@uiowa.edu</p> <p>To schedule an appointment, please visit tippie.uiowa.edu/clas/professional-advising</p>
	Spring Semester				

NOTE: The minimum requirement of 6 s.h. of Honors Investigation (BIOL:4999) for an Honors degree must be completed if BIOL:4999 is to substitute for an investigative lab.

^A Calculus or Math - Choose one of the following options:

- Calculus for the Biological Sciences (MATH:1460, 4 s.h., Fall and Spring semesters)
- Engineering Mathematics I: Single Variable Calculus (MATH:1550, 4 s.h., Fall and Spring semesters)
- Calculus 1 (MATH:1850, 4 s.h., Fall and Spring semesters)

^B Statistics - Choose one of the following options:

- Statistical Methods and Computing (STAT:2010, 3 s.h., Fall and Spring semesters)
- Biostatistics (STAT:3510, 3 s.h., Fall and Spring semesters)

^C Physics - Choose one of the following sequences:

- College Physics I (PHYS:1511, 4 s.h., Fall and Spring semesters) + College Physics II (PHYS:1512, 4 s.h., Fall and Spring semesters)
- Introductory Physics I (PHYS:1611, 4 s.h., Fall semesters) + Introductory Physics II (PHYS:1611, 4 s.h., Fall semesters)

^D Biology Breadth Requirements - Choose at least one course from each of the following three breadth menus:

- Molecular and Cellular Biology:
 - Cell Biology (BIOL:2723, 3 s.h., Spring semesters)
 - Introduction to Neurobiology (BIOL:2753, 3 s.h., Fall semesters)
 - Genomics (BIOL:3314, 3 s.h., Fall semesters)
 - Molecular Genetics (BIOL:3713, 4 s.h., Fall semesters)
- Developmental Biology and Physiology:
 - Endocrinology (BIOL:2254, 3 s.h., Fall semesters)
 - Introduction to Developmental Biology (BIOL:3233, 3 s.h., Fall semesters)
 - Animal Physiology (BIOL:3343, 3 s.h., Spring semesters)
 - Plant Developmental Biology (BIOL:3363, 3 s.h., Spring semesters)
 - Plant Response to the Environment (BIOL:3663, 3 s.h., Fall semesters)
- Ecology and Evolutionary Biology:
 - Biogeography (BIOL:2374, 3 s.h., Fall semesters)
 - Ecology (BIOL:2673, 3 s.h., Fall semesters)
 - Population Genetics and Molecular Evolution (BIOL:4273, 3 s.h., Spring semesters)

^E Biology Electives - Choose three of the following (please check ISIS for course availability):

- Modern Human Origins (ANTH: 3307, 3 s.h.)
- Primate Behavior and Ecology (ANTH: 3310, 3 s.h.)
- Primate Evolutionary Biology (ANTH: 3322, 3 s.h.)
- Human Evolutionary Genetics (ANTH: 3325, 3 s.h.)
- Biology of Aging (ASP: 3160, 3 s.h.)
- Marine Ecosystems and Conservation (EES: 3070, 3 s.h.)
- Evolution of the Vertebrates (EES: 3220, 3 s.h.)
- Evolution of Ecosystems (EES: 4700, 3 s.h.)
- Skeletal Muscle Physiology (HHP: 4130, 3 s.h.)
- Survey of Immunology (MICR: 3147, 3 s.h.)

One of the electives may be chosen from these:

- Geography of Health (GEOG: 3110, 3 s.h.)
- History of Public Health (HIST: 4160, 3 s.h.)
- History of Global Health (HIST: 4162, 3 s.h.)
- Ancient and Medieval Science (HIST: 4419, 3 s.h.)
- Introduction to Philosophy of Science (PHIL: 3604, 3 s.h.)

^F Course with Laboratory - Choose one of the following (must not have been used as a breadth menu course):

- Vertebrate Zoology (BIOL: 2346, 4 s.h., Fall semesters)
- Animal Behavior (BIOL: 3244, 4 s.h., Fall semesters)
- Cell Biology Laboratory (BIOL: 3626, 4 s.h., Fall semesters)
- Neurobiology Laboratory (BIOL: 3656, 4 s.h., Spring semesters)
- Evolution Lab (BIOL: 3676, 4 s.h., Fall semesters)
- Genetics and Biotechnology Lab (BIOL: 3716, 4 s.h., Spring semesters)
- Developmental Biology Lab (BIOL: 3736, 4 s.h., Spring semesters)
- Honors Investigations (BIOL: 4999, 6 s.h.)
- Experimental Biochemistry (BIOC: 3140, 2 s.h., check ISIS for course availability)
- Principles of Paleontology (EES: 3210, 3 s.h., check ISIS for course availability)
- General Microbiology (MICR: 2157, 5 s.h., check ISIS for course availability)
- Iowa Lakeside Laboratory courses (students consult their advisors) (4-5 s.h.)

For more information please contact the Biology Academic Advisor:
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