# Biology BA

Department of Biology, 143 BB, (319) 335-1050

## Core Biology Courses
- BIOL 1411 Foundations of Biology
- BIOL 1412 Diversity of Form & Function
- BIOL 2512 Fundamental Genetics
- BIOL 3172 Evolution
- BIOL 2723 Cell Biology

## Biology Courses

### Biological Systems Courses—Choose Two:
- BIOL 2254 Endocrinology
- BIOL 2603 Mechanisms of Aging
- BIOL 2673 Ecology
- BIOL 2753 Intro to Neurobiology
- BIOL 3233 Intro to Developmental Biology
- BIOL 3244 Animal Behavior
- BIOL 3253 Neurobiology
- BIOL 3343 Animal Physiology
- BIOL 3363 Plant Developmental Biology
- BIOL 3383 Intro to Systems Biology
- BIOL 3663 Plant Response to the Environment
- BIOL 4333 Genes and Development

### Genes/Genomes Course—Choose One:
- BIOL 3314 Genomics
- BIOL 3373 Human Population Genetics & Variation
- BIOL 3713 Molecular Genetics
- BIOL 4213 Bioinformatics
- BIOL 4373 Molecular Evolution
- BIOL 4386 Introduction to Scientific Computing for Biologists

### Lab Course—Choose One:
- BIOL 2246 Entomology Lab
- BIOL 2346 Vertebrate Zoology
- BIOL 3244 Animal Behavior
- BIOL 3626 Cell Biology Lab
- BIOL 3655 Neurogenetics Lab
- BIOL 3656 Neurobiology Lab
- BIOL 3676 Evolution Lab
- BIOL 3716 Genetics and Biotechnology Lab
- BIOL 3736 Developmental Biology Lab
- BIOL 4314 Introduction to Synthetic Biology in the Lab
- BIOL 4999 Honors Research in Biology
- MICR 2157 & 2158 General Microbiology & Lab
- Iowa Lakeside Lab courses (consult advisor)

## BA Biology Cognate Courses
- CHEM 1110 Principles of Chemistry I
- CHEM 1120 Principles of Chemistry II
- BIOC 3110 Biochemistry
- MATH 1460 Calculus for Biological Sciences OR MATH 1550 Engineering Calculus I OR MATH 1850 Calculus I
- STAT 3510 Biostatistics OR STAT 2010 Statistical Methods and Computing

## Biology Electives
At least two courses (6 sh total) numbered BIOL 2000 and above (excluding BIOL 2120 and 2211)

## BA Electives—12 sh of approved courses
See Biology department website for list of approved courses

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*Academic Advising Center/Fall 2020*