Bachelor of Science in Biology
Cell and Developmental Biology Track

**Chemistry and Other Courses**

- Principles of Chemistry I (CHEM:1110)
- Principles of Chemistry II (CHEM:1120)
- Organic Chemistry I (CHEM:2210)
- Biochemistry
- Biochemistry II or Microbiology or Programming

**Biology Courses**

- Foundations of Biology (BIOL:1411)
- Diversity of Form & Function (BIOL:1412)
- Fundamental Genetics (BIOL:2512)
- Cell Biology (BIOL:2723)

**Cell & Development Core**

- Cell & Development Elective
- Cell & Development Elective
- Cell & Development Elective

**Cell & Development Elective**

- Cell & Development Elective
- Cell & Development Elective
- Cell & Development Elective

**Investigative Lab**

- Experiential Elective

**Physics Courses**

- Physics I
- Physics II

**Math Courses**

- Calculus
- Statistics

Denotes class available in the Fall

Denotes class available in the Spring

See reverse for course options
Choose two of the following:
- Evolution (BIOL:3172, F and S)
- Introduction to Developmental Biology (BIOL:3233, 3 s.h., F)
- Plant Developmental Biology (BIOL:3363, 3 s.h., S)

Choose four of the following: *One elective must be taken at the 3000 level or above
- Animal Physiology (BIOL:3343, 3 s.h., S)
- Bioinformatics (BIOL:4213, 4 s.h., F)
- Developmental Neurobiology (BIOL:4753, 3 s.h., S)
- Endocrinology (BIOL:2254, 3 s.h., F)
- Genes and Development (BIOL:4333, 3 s.h., S)
- Genomics (BIOL:3314, 3 s.h., S)
- Evolution (BIOL:3172, F and S) (if not used for group A above)
- Introduction to Developmental Biology (BIOL:3233, 3 s.h., F) (if not used for group A above)
- Introduction to Neurobiology (BIOL:2753, 3 s.h., F)
- Introduction to Systems Biology (BIOL:3383 3 s.h., F)
- Neurobiology (BIOL:3253, 4 s.h., F)
- Mechanisms of Aging (BIOL:2603, 3 s.h., F)
- Molecular Genetics (BIOL:3713, 4 s.h., F)
- Plant Developmental Biology (BIOL:3363, 3 s.h., S) (if not used for group A above)
- Plant Response to the Environment (BIOL:3663, 3 s.h., F)

Choose one of the following:
- Cell Biology Laboratory (BIOL:3626, 4 s.h., F)
- Developmental Biology Lab (BIOL:3736, 4 s.h., S)

Choose one of the following:
- Evolution Lab (BIOL:3676, 4 s.h., F)
- Genetics & Biotechnology Lab (BIOL:3716, 4 s.h., S)
- Neurobiology Lab (BIOL:3656, 4 s.h., S)
- Honors Investigations (BIOL:4999, 6 s.h., F and S)
- Intro to Research (BIOL:3994, 5 s.h., F and S)
- Communicating Research (BIOL:4898, 1 s.h., F and S)
- Advanced Teaching Internship in Biology (BIOL:4897, 4 s.h., F and S)
- Cell Biology Laboratory (BIOL:3626, 4 s.h., F) (if not used for section C)
- Developmental Biology Lab (BIOL:3736, 4 s.h., S) (if not used for section C)

Choose one of the following:
- Biochemistry (BIOC:3110, 3 s.h., F and S)
- Biochemistry and Molecular Biology I (BIOC:3120, 3 s.h., F and S) (must also take BIOC:3130, below)

Choose one of the following:
- Biochemistry and Molecular Biology II (BIOC:3330, 3 s.h., F and S)
- General Microbiology (MICR:2157, 3 s.h., F and S)
- General Microbiology Lab (MICR:2158, 2 s.h., F and S)
- Programming for Informatics (CS:2110, F and S)

Choose one of the following sequences:
- College Physics I (PHYS:1511, 4 s.h., F and S)
  - College Physics II (PHYS:1512, 4 s.h., F and S)
- Introductory Physics I (PHYS:1611, 4 s.h., F and S)
  - Introductory Physics II (PHYS:1612, 4 s.h., F and S)

Choose one of the following:
- Calculus for the Biological Sciences (MATH:1460, 4 s.h., F and S)
- Calculus 1 (MATH:1550, 4 s.h., F and S)
- Engineering Mathematics I: Single Variable Calculus (MATH:1550, 4 s.h., F and S)

Choose one of the following:
- Statistical Methods and Computing (STAT:2010, 3 s.h., F and S)
- Biostatistics (STAT:3510, 3 s.h., F and S)

Starting Fall 2018

For more information, please contact the Biology Academic Advisor or visit: biology.uiowa.edu/undergraduate-programs

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To schedule an appointment please visit: https://myui.uiowa.edu/my-ui/student/records/advising/appointments.page

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