

TRANSFER GUIDE FOR IOWA BIOLOGY



B.S. Biology

Checklist for transfer work (check website for equivalencies at your college):

- CHEM:1110 Principles of Chemistry I
- CHEM:1120 Principles of Chemistry II
- Full sequence of Introductory or General Biology from one institution
- MATH:1850 Calculus I
- Organic Chemistry I (and II with lab if pursuing pre-Med, PA, or Dental)
- PHYS:1511 College Physics I
- PHYS:1512 College Physics II
- Intermediate II of a world language (or 4 years in high school of one language)
- RHET:1030 (English Composition I, II and Public Speaking)
- Three additional Core requirements

Biology 2-year plan after transfer (remaining courses):

BS: INTEGRATIVE BIOLOGY

Semester 1 4 BIOL:2512 Fundamental Genetics 3 BIOC:3120 Biochemistry & Molecular Biology I 3 STAT:3510 or STAT:2010 3 CLAS Core: Diversity and Inclusion	Semester 2 3 BIOL:2723 Cell Biology 3 BIOC:3130 Biochemistry & Molecular Biology II* 4 BIOL:3172 Evolution 3 CLAS Core
Semester 3 3 BIOL:2673 Ecology 3 Biological Systems I 3 Genes & Genomes I 4 Investigative Lab course 3 CLAS Core	Semester 4 3 Biological Systems II 3 Genes and Genomes II 4 Experiential Elective 3 CLAS Core

BS: CELL & DEVELOPMENTAL BIOLOGY

Semester 1 4 BIOL:2512 Fundamental Genetics 3 BIOC:3120 Biochemistry & Molecular Biology I 3 STAT:3510 or STAT:2010 3 CLAS Core: Diversity and Inclusion	Semester 2 3 BIOL:2723 Cell Biology 3 BIOC:3130 Biochemistry & Molecular Biology II* 4 BIOL:3172 Evolution (or BIOL:3363 Plant Dev) 3 CLAS Core
Semester 3 3 BIOL:3233 Developmental Biology (or BIOL:3172) 3 Cell & Dev Elective I 3 Cell & Dev Elective II 4 Investigative Lab course 3 CLAS Core	Semester 4 3 Cell & Dev Elective III 3 Cell & Dev Elective IV 4 Experiential Elective 3 CLAS Core

BS: GENETICS & BIOTECHNOLOGY

<p>Semester 1</p> <p>4 BIOL:2512 Fundamental Genetics</p> <p>3 BIOC:3120 Biochemistry & Molecular Biology I</p> <p>3 STAT:3510 or STAT:2010</p> <p>3 CLAS Core: Diversity and Inclusion</p>	<p>Semester 2</p> <p>3 BIOL:2723 Cell Biology</p> <p>3 BIOC:3130 Biochemistry & Molecular Biology II*</p> <p>4 BIOL:3172 Evolution</p> <p>3 CLAS Core</p>
<p>Semester 3</p> <p>4 BIOL:3713 Molecular Genetics</p> <p>3 Genetics Elective I</p> <p>3 Genetics Elective II</p> <p>4 Experiential Elective</p> <p>3 CLAS Core</p>	<p>Semester 4</p> <p>3 BIOL:3314 Genomics</p> <p>3 Genetics Elective III</p> <p>4 BIOL:3716 Genetics & Biotechnology Lab</p> <p>3 CLAS Core</p>

BS: NEUROBIOLOGY

<p>Semester 1</p> <p>4 BIOL:2512 Fundamental Genetics</p> <p>3 BIOC:3120 Biochemistry & Molecular Biology I</p> <p>3 STAT:3510 or STAT:2010</p> <p>3 CLAS Core: Diversity and Inclusion</p>	<p>Semester 2</p> <p>3 BIOL:2723 Cell Biology</p> <p>3 BIOC:3130 Biochemistry & Molecular Biology II*</p> <p>3 BIOL:2753 Introduction to Neurobiology</p> <p>6 CLAS Core</p>
<p>Semester 3</p> <p>4 BIOL:3253 Neurobiology</p> <p>5 BIOL:3244 Animal Behavior</p> <p>3 Neurobiology Elective I</p> <p>3 CLAS Core</p>	<p>Semester 4</p> <p>3 Neurobiology Elective II</p> <p>3 Neurobiology Elective III</p> <p>4 Experiential Elective</p> <p>4 BIOL:3656 Neurobiology Lab</p>

*See advisor for alternative course options for the Biochemistry requirement.

These plans are guidelines to demonstrate the course requirements for Biology majors. Hours may vary due to world language and math placements, AP or dual enrollment coursework, and actual classes transferred to UI. 120 semester hours are required to earn a bachelor's degree. Review your transcripts with the Biology advisor to create an individualized plan of study.

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- MATH:1850 Calculus I
- Intermediate II of a world language (or 4 years in high school of one language)
- RHET:1030 (English Composition I, II and Public Speaking)
- Three additional Core requirements
- One advanced Biology course (see advisor for BA elective approval)

BIOLOGY BA

Semester 1 4 BIOL:2512 Fundamental Genetics 3 BIOC:3110 Biochemistry 3 STAT:3510 or STAT:2010 3 BA Elective I 3 CLAS Core: Diversity and Inclusion	Semester 2 3 BIOL:2723 Cell Biology 4 BIOL:3172 Evolution 3 Biological Systems I 3 BA Elective II 3 CLAS Core
Semester 3 3 Biological Systems II 3 Genes & Genomes I 3 Biology Elective I 3 BA Elective III 3 CLAS Core	Semester 4 3 Biology Elective II 3 Biology Elective III 4 Course with a Lab 3 CLAS Core

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