

## Bachelor of Science in Biology

### I. University General Education Requirements

<b>Area Studies and Cultural Diversity</b>	2 courses (4-6 credits total)
<b>English</b>	3300:111 English Composition I (3) <b>AND</b> 3300:112 English Composition II (3)
<b>Humanities</b>	3 courses (10 credits total) Must Include - 3400:210 Humanities in Western Traditions I (4)
<b>Physical Education</b>	1 credit
<b>Social Sciences</b>	2 courses (6 credits total)
<b>Speech</b>	7600:105 Introduction to Public Speaking (3) <b>OR</b> 7600:106 Effective Oral Communication (3)

### II. Buchtel College of Arts & Sciences Requirement

<b>Foreign Language</b>	14 credits of the same foreign language (through 202 Intermediate II)
<b>Upper Level Courses</b>	47 credits of 300/400 level classes

### III. Biology Department Requirements

<b>Mathematics</b>	<b>8 credits</b> Math Placement based on ACT/SAT or Placement Test Must earn a C or higher to take next level math class Must Include - 3450:149 Precalculus (4) 3470:261/262 Intro. to Statistics I & II, (4) Recommended - 3450:221 Calculus I (4) (for pre-professional and graduate school)
<b>Chemistry</b>	<b>19 credits</b> 3150:151 Principles of Chemistry I (3) (Prerequisite - 3450:149 Precalculus) 3150:152 Principles of Chemistry Lab (1) 3150:153 Principles of Chemistry II (3) 3150:154 Qualitative Analysis (2) 3150:263 Organic Chemistry I (3) (Prerequisite - 3150:153) 3150:265 Organic Chemistry I Lab (2) (Prerequisite - 3150:154) 3150:264 Organic Chemistry II (3) 3150:266 Organic Chemistry II Lab (2)  <b>Chemistry Minor</b> - 6 additional 300/400 credits are required *3150:401 Biochemistry I (3) (Prerequisite is 3150:264) *3150:402 Biochemistry II (3) *Recommended for students pursuing professional or graduate school

**\*Physics**

Physics is not required for a Biology degree

\*3650:261 Physics for Life Sciences I (4) (Prerequisite - 3450:149 Precalculus)

\*3650:262 Physics for Life Sciences II (4)

\*Recommended for students pursuing professional or graduate school

**Biology****40 credits**

## 1. Core Curriculum (21 credits):

3100:111 Principles of Biology I (4) (pre/co-requisite is 3150:151 Prin. of Chem. I)

3100:112 Principles of Biology II (4)

3100: 211 General Genetics (3)

3100: 217 General Ecology (3)

3100: 311 Cell & Molecular Biology (4) (Prerequisites - 3100: 211, 3150:151, 152, 153, and 154)

3100: 316 Evolutionary Biology (3)

## 2. Upper Level Curriculum (19 credits beyond core)

3100:3XX or 3100:4XX (almost all upper level courses will count)

May include up to 4 credits of Biological Problems (independent research)

**IV. Credits and GPA Required for Graduation**

- Minimum 120 credits (includes transfer credits)
- Must have an overall cumulative average GPA of 2.0 or better (UA grades only).
- Grades of D<sup>-</sup> or higher apply toward graduation if you have a cumulative GPA of  $\geq 2.0$

For more information, visit our resources for prospective and current Biology students at:

<http://www.uakron.edu/biology/students.dot>