Bachelor of Science in Biology

I. University General Education Requirements

Area Studies and Cultural Diversity 2 courses (4-6 credits total)

English 3300:111 English Composition I (3) AND 3300:112 English Composition II (3)

Humanities 3 courses (10 credits total)
Must Include - 3400:210 Humanities in Western Traditions I (4)

Physical Education 1 credit

Social Sciences 2 courses (6 credits total)

Speech 7600:105 Introduction to Public Speaking (3) OR 7600:106 Effective Oral Communication (3)

II. Buchtel College of Arts & Sciences Requirement

Foreign Language 14 credits of the same foreign language (through 202 Intermediate II)

III. Biology Department Requirements

Mathematics 8 credits
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)

Chemistry 19 credits
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)

Chemistry Minor - 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 128 credits (includes transfer credits)
- Must have an overall cumulative average GPA of 2.0 or better (UA grades only).
- Grades of D’ or higher apply toward graduation if you have a cumulative GPA of ≥ 2.0

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

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