Bachelor of Arts: Biology (84K)
2019-2020
58 hours

The Bachelor of Arts major provides a broad training in biology and allows specializations through choice of electives. It offers basic preparation for entry-level employment positions, graduate work or an advanced degree in all health-related areas. The combination of required and elective courses needs to equal a minimum of 58 credit hours

Introductory Track
___ BIOL2051 General Biology: Organismal Diversity, 4 hrs
___ BIOL2052 General Biology: Cell Structure and Function, 4 hrs
___ BIOL3100 Evolution, Ecology & the Nature of Science, 3 hrs
___ BIOL3140 Genetics, 4 hrs

Required Chemistry*
___ CHEM1110 General Chemistry I, 4 hrs
___ CHEM1120 General Chemistry II, 4 hrs

Required Advanced Chemistry Coursework
(choose one option)
1. ___ CHEM2040 Applied Organic & Biochemistry, 4 hrs
   OR
2. ___ CHEM2210 Organic Chemistry I, 3 hrs
   ___ CHEM2230 Organic Chemistry Lab, 2 hrs

Required Math
(choose one option)
1. ___ MATH1120 Math for the Biological Sciences, 3 hrs AND
   ___ MATH1130 Trigonometry, 2 hrs
   OR
2. ___ MATH1140 Precalculus, 4 hrs
   OR
3. ___ MATH1420 Calculus I, 4 hrs

Required Earth Science or Physics
(choose one option)
1. ___ EARTHSCI1300 Intro to Geology, 4 hrs
   AND
   ___ EARTHSCI1320 Earth History, 4 hrs
   OR
2. ___ PHYSICS1511 General Physics I, 4 hrs
   AND
   ___ PHYSICS1512 General Physics II, 4 hrs

Major Elective Credit Courses
(17-19 hours to total 58)
___ List of biology electives on reverse side
___ Science courses at Iowa Lakeside Laboratory satisfy elective requirements. Check with your advisor for specific information.

Chemistry courses that satisfy elective requirement:
___ CHEM4510 Biochemistry I, 3 hrs
___ CHEM2220 Organic Chemistry II, 3 hrs

NOTES:
• Must have a UNI cumulative & UNI major/plan GPA of 2.5, higher, with a grade of C- (1.67), or better in all courses applied to the major.
• A minimum of 7 credits of 4000 level biology electives required: BIOL4xxx --BIOL4198 Independent Study and -- CHEM4510 Biochemistry I; do not count toward the 4000 level biology elective requirement.
• At least 4 credits of biology electives at the 4000 level need to be taken at UNI.
• BIOL3101 Anatomy & Physiology I counts as university elective credit, not as a biology major elective.
• Cannot count more than a combined 4 credits toward the biology major elective requirements:
  - BIOL3185 Readings in Biology
  - BIOL3190 Undergraduate Research
  - BIOL4198 Independent Study
• If *CHEM 1130 General Chemistry I-II, 5 hrs, is taken, then 3 additional biology electives are required to reach a 58 credit major.
• Students invited to do Honors Research will complete 4 credit hours of BIOL3190 Undergraduate Research and 1 credit hour of BIOL3191 Senior Thesis. Students must declare the Honors Research Emphasis in order for it to reflect on the degree.