

Transfer Planning Worksheet 2025-2026



**NORTH CENTRAL
COLLEGE 1861**

Student Name: _____ North Central ID# _____ College Representative: _____ Date: _____

Biology, Biology Professions Track, B.A.

The B.A. degree in Biology provides the same comprehensive core, research experience and capstone as the B.S. degree, but its two tracks are tailored to be compatible with a second major (Biology Professions track) or with the requirements of professional schools in such allied health areas as nursing, physical therapy, physician assistant, occupational therapy, pharmacy, or optometry (Health Professions track). Students choosing the Biology Professions track need an additional major in a complementary area such as environmental studies, neuroscience, physics, mathematics, computer science, business, etc. Students preparing for secondary education should complete the B. S. Biology Education track. Students planning to continue to graduate programs in the biological sciences or to medical, dental, or veterinary programs should consider the Biological Sciences or Biomedical Science tracks for a B.S. degree in Biology.

Major Requirements

Core Courses			
Course Name	Equivalent	Credit	Grade
BIOL 195 - Investigating Biology or BIOL 205 - Exploring Biology			
BIOL 210 - Cells and Systems			
BIOL 220 - Ecology and Evolution	BIS 205 @ TC		
BIOL 230 - Genes and Genomics			
BIOL 240 - Biostatistics			
Capstone			
Course Name	Equivalent	Credit	Grade
BIOL 400 – Capstone Studies in Biological Sciences			
Research Experience			
<p>Students must complete a research experience which is presented in BIOL 490 - Seminar; students take the zero-credit BIOL 290 – Seminar once as participants/evaluators and the two credit BIOL 390 – Careers in Biological Sciences once before presenting. The research experience could be any of the following:</p> <ul style="list-style-type: none"> Complete the BIOL 400 research course Complete an on- or off-campus summer research program Complete an independent research project with a faculty member Complete a research-based internship or other project approved by the department chair 			
Biology Professions Track Courses			
Two of the following:			
Course Name	Equivalent	Credit	Grade
BIOL 310 - Biology of Animals			
BIOL 315 - Animal Physiology			
BIOL 317 - Animal Behavior			
BIOL 320 - Plant Growth and Function			
BIOL 325 - Plant Interactions in a Changing World			
BIOL 330 – Evolution			
BIOL 340 - Infectious Disease			
BIOL 350 - Conservation Ecology			
BIOL 360 - Molecular Biology of Cancer			
BIOL 370 - Mechanisms of Development			
BCHM 365 - Principles of Biochemistry			
NEUR 310 - Advanced Molecular Neuroscience			

Support Courses

Course Name	Equivalent	Credit	Grade
CHEM 121 - General Chemistry I	CHM 140 @ TC		
CHEM 122 - General Chemistry II	CHM 141 @ TC		

Additional Requirements for the B.A. Degree

Foreign Language

Students must demonstrate elementary competence in a foreign language. For more information, see the B.A. Degree Requirements within the Academic Regulations section of this catalog.

Second Major

Biology Professions majors must complete a second major in an area outside Biology. Note: Students seeking licensure for secondary education must complete the Secondary Education major.