



**NORTH CENTRAL
COLLEGE 1861**

FOR PLANNING USE ONLY – NOT AN OFFICIAL DEGREE AUDIT

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

Your guide for transferring:

- Transfer students with an earned Associate of Arts or Associate of Science will only need to fulfill Career Readiness.
- At least 64 credit hours must be taken at a four-year institution; at least 128 credit hours are required for graduation.
- Some courses may have pre-requisites; please consult the course catalog. One course may fulfill a requirement in up to three different designations.
- Global Understanding can be fulfilled by Study Abroad, including May Term (indicated by *).
- Students with less than 28 transferable hours will need to complete CARD 110, a 1-credit transition course.

GENERAL EDUCATION

Requirement	Course Number/Title	Credit	Grade
Composition	ENGL 1101 @ COD		
Writing Intensive	ENGL 1102 @ COD		
Public Speaking	SPEEC 1100 @ COD		
Arts	Any "ART" in guide		
Humanities	Any "HUM" in guide		
Social Science	Any "SOC" in guide		
Science	Completed in major		
Quantitative Analysis	Completed in major		
Power Structures or Global Understanding*	Completed in major		
Ethical Dimensions	Completed in major		
Well Being	BUSIN 1120, ECONO 1110, PHYS 2251, or PHYS 2254 @ COD		
Experiential (one of the following): -Community Engaged Learning -Study Away/Study Abroad -Student Research -Liberal Arts and Problems of Today			
Career Readiness (Must be taken at NC)			

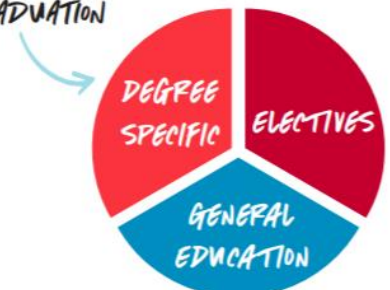
ELECTIVES

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DEGREE-SPECIFIC REQUIREMENTS

B.A. – Foreign Language	• 3 years H.S. with "B" average or • LANG 102 or equivalent or • Designated Study Abroad or • LANG 390 or CLSS 190 (available only to transfers entering with a minimum of 51 transferable credits) <i>Some majors may require courses in addition to foreign language</i>
B.S., B.B.A., B.F.A., & B.M.E.	• Determined by individual major

**128 CREDITS NEEDED
FOR GRADUATION**



Additional Notes: COD Transfer Guide: <https://www.northcentralcollege.edu/sites/default/files/2025-2026%20COD%20Transfer%20Guide%20Final.pdf>

Transfer Planning Worksheet 2025-2026



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Biology, Biomedical Science Track, B.S.

The B.S. degree in Biology provides a comprehensive foundation for students with interests in any area of the biological sciences, including key support courses from chemistry, physics and mathematics. This degree is appropriate for students planning for careers at the bachelor's level as well as those preparing for graduate or professional study after graduation. All B.S. students complete a common core, then select upper-division courses that match their specific interests and career plans. Research experience is built into the program for all students, as is the development of skills in scientific writing and presentation.

Students can choose from two tracks (and can switch between the tracks if their interests change). The Biological Science track is appropriate for those preparing for research careers, graduate school or employment in any area of biology, while the Biomedical Science track is appropriate for students preparing for medical, dental or veterinary programs after graduation. Students preparing for careers that combine biology with another area or for the allied health fields may wish to consider a B.A. program. Students preparing for secondary education should complete the B.S. Biology Education track.

Major Requirements

Core Courses			
Course Name	Equivalent	Credit	Grade
BIOL 195 - Investigating Biology or BIOL 205 – Exploring Biology			
BIOL 210 - Cells and Systems	BIOLO 2151 @ COD		
BIOL 220 - Ecology and Evolution	BIOLO 2150 @ COD		
BIOL 230 - Genes and Genomics			
BIOL 240 - Biostatistics			
Capstone			
Course Name	Equivalent	Credit	Grade
BIOL 400 – Capstone Studies in Biological Sciences			
Research Experience			
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: 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			
Biomedical Science Track Courses			
Anatomy and Physiology			
Course Name	Equivalent	Credit	Grade
BIOL 201 - Anatomy and Physiology I	ANAT 1551 or ANAT 1571 @ COD		
BIOL 202 - Anatomy and Physiology II	ANAT 1552 or ANAT 1572 @ COD		
Advanced Electives			
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			
NEUR 310 - Advanced Molecular Neuroscience			

Required Support Courses

Course Name	Equivalent	Credit	Grade
BCHM 365 - Principles of Biochemistry			
CHEM 121 - General Chemistry I	CHEM 1551 @ COD		
CHEM 122 - General Chemistry II	CHEM 1552 @ COD		
CHEM 251 - Organic Chemistry I	CHEM 2551 @ COD		
CHEM 252 - Organic Chemistry II	CHEM 2552 @ COD		

Support Elective

One of the following:

Course Name	Equivalent	Credit	Grade
HTSC 230 - Community Health			
HTSC 310 - Principles of Epidemiology for the Health Sciences			
PHIL 213 - Health Care Ethics	PHILO 1112 @ COD		
SOCI 343 - Health, Illness and Care			

Additional Requirements for the B.S. Degree

Course Name	Equivalent	Credit	Grade
MATH 151 - Calculus I	MATH 2231 @ COD		

Physics Sequence

One of the following sequences:

Non-Calculus

Course Name	Equivalent	Credit	Grade
PHYS 131 - Physics I (Non-Calculus)	PHYSI 1201 @ COD		
PHYS 132 - Physics II (Non-Calculus)	PHYSI 1202 @ COD		

Calculus-Based

Course Name	Equivalent	Credit	Grade
PHYS 161 - Physics I: Mechanics and Heat	PHYSI 2111 @ COD		
PHYS 162 - Physics II: Electromagnetism, Waves and Optics	PHYSI 2112 @ COD		