TRANSFER PLANNING WORKSHEET: 2025-2026

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

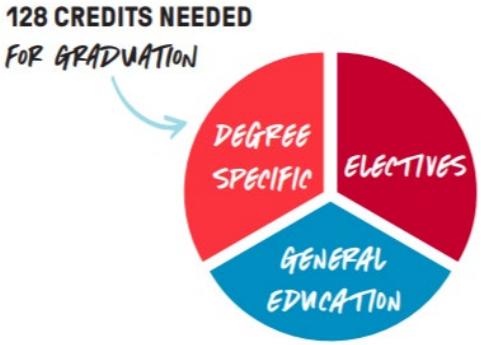
Requirement	Course Number/Title	Credit	Grade
Composition	ENG 101 @ JJC		
Writing Intensive	ENG 102 @ JJC		
Public Speaking	COMM 101 @ JJC		
Arts	Any "ART" in guide		
Humanities	Any "HUM" in guide		
Social Science	Any "SOC" in guide		
Science	Completed in major		
Quantitative Analysis	Completed in major		
Power Structures **or** Global Understanding*	Completed in major		
Ethical Dimensions	Completed in major		
Well Being	FIN 100, KIN 207, or PSYC 272 @ JJC		
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

Course Number/Title	Credit	Grade

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**) *Some majors may require courses in addition to foreign language*
B.S., B.B.A., B.F.A., & B.M.E.	• Determined by individual major



Additional Notes: JJC Transfer Guide: https://www.northcentralcollege.edu/sites/default/files/JJC%20Transfer%20Guide%20-%20Final.pdf

Transfer Planning Worksheet 2025-2026

NORTH CENTRAL COLLEGE 1861

Student Name:_____North Central ID#_____College Representative:_____Date:_____

Biology, Biological Sciences 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 secondary education should complete the B.S. Biology Education track. Students preparing for careers that combine biology with another area or for the allied health fields may wish to consider a B.A. program.

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			
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

Biological Science Track Courses

Advanced Electives

Three 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	CHEM 212 @ JJC		
NEUR 310 - Advanced Molecular Neuroscience			

Required Support Courses

Course Name	Equivalent	Credit	Grade
CHEM 121 - General Chemistry I	CHEM 101 @ JJC		
CHEM 122 - General Chemistry II	CHEM 102 @ JCC		
CHEM 251 - Organic Chemistry I	CHEM 209 @ JJC		
CHEM 252 - Organic Chemistry II	CHEM 210 @ JJC		
CHEM 310 - Chemical Analysis			

Additional Requirements for the B.S. Degree

Course Name	Equivalent	Credit	Grade
MATH 151 - Calculus I	MATH 170 @ JJC		

Four credit hours from the following list:

An alternate course that clearly enhances the biology major for the student, such as an advanced biology course taken in a study- abroad program that has no direct NCC equivalent, can potentially be substituted with the approval of the department chair.

Course Name	Equivalent	Credit	Grade
BIOL 241 - Advanced Biostatistics			
BIOL 242 - Bioinformatics			
BIOL 250 - Field Biology			
CHEM 311 - Separation Methods			
CHEM 315 - Spectral Interpretation			
CSCE 160 - Introduction to Computer Programming	CIS 246 or CIS 261 @ JJC		
ENGL 282 - Writing in STEM Professions			
ENVI 260 - Introduction to Geographic Information Systems			
HTSC 310 - Principles of Epidemiology for the Health Sciences			
MATH 152 - Calculus II	MATH 171 @ JJC		
MATH 255 - Linear Algebra and Differential Equation			
300-Level Morton Arboretum or Shedd Aquarium Courses			

Physics Sequence

One of the following sequences:

Non-Calculus

Course Name	Equivalent	Credit	Grade
PHYS 131 - Physics I (Non-Calculus)	PHYS 101 @ JJC		
PHYS 132 - Physics II (Non-Calculus)	PHYS 102 @ JJC		

Calculus-Based

Course Name	Equivalent	Credit	Grade
PHYS 161 - Physics I: Mechanics and Heat	PHYS 201 @ JJC		
PHYS 162 - Physics II: Electromagnetism, Waves and Optics	PHYS 202 @ JJC		