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

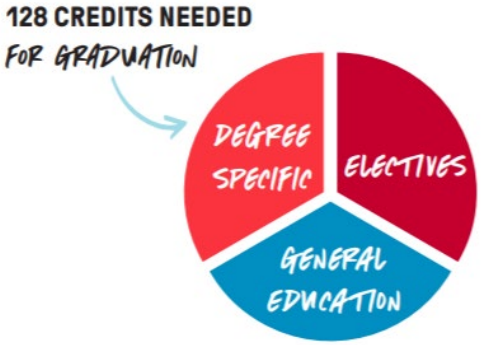
Requirement	Course Number/Title	Credit	Grade
Composition	ENG 101 @ JJC		
Writing Intensive	ENG 102 @ JJC		
Public Speaking	COMM 101 @ JJC		
Arts	Any "ART" in guide		
Humanities	Any "HUM" in guide		
Social Science	Any "SOC" in guide		
Science	Completed in major		
Quantitative Analysis	Completed in major		
Power Structures **or** Global Understanding*	Any "POW" or "GLO" in guide		
Ethical Dimensions	Any "ETH" in guide		
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:_____

Chemistry, ACS-Certified, B.S.

Chemists study the structure and transformations of matter, detect and quantify chemical species, and create new substances. A degree in chemistry prepares a student for employment in a private or government laboratory; continuing studies in medical, pharmacy, dental, veterinary or law school; secondary school teaching; a position in business; or graduate study and research in the sciences or engineering. The ACS-certified Chemistry B.S. degree is the curriculum approved by the American Chemical Society and allows students more depth where they work to master the theoretical and applied aspects of chemistry.

Major Requirements

Core Courses

Course Name	Equivalent	Credit	Grade
CHEM 121 - General Chemistry I	CHEM 101 @ JJC		
CHEM 122 - General Chemistry II	CHEM 102 @ JJC		
CHEM 251 - Organic Chemistry I	CHEM 209 @ JJC		
CHEM 252 - Organic Chemistry II	CHEM 210 @ JJC		
CHEM 301 - Descriptive Inorganic Chemistry			
CHEM 310 - Chemical Analysis			
CHEM 340 - Thermodynamics and Kinetics			
CHEM 345 - Quantum Chemistry and Spectroscopy			
CHEM 391 - Seminar I			
CHEM 392 - Seminar II			
CHEM 401 - Advanced Inorganic Chemistry			
CHEM 485 – Chemical Research and Scientific Writing			
CHEM 493 - Seminar III			
BCHM 365 - Principles of Biochemistry	CHEM 212 @ JJC		

Characterization Courses

Two of the following:

Course Name	Equivalent	Credit	Grade
CHEM 311 - Separation Methods			
CHEM 312 - Spectrometry and Spectroscopy			
CHEM 313 - Materials and Surface Analysis			
CHEM 315 - Spectral Interpretation			

Advanced Electives

Three credit hours from the following:

Course Name	Equivalent	Credit	Grade
CHEM 311 - Separation Methods (if not taken for the Characterization category)			
CHEM 312 - Spectrometry and Spectroscopy (if not taken for the Characterization category)			
CHEM 313 - Materials and Surface Analysis (if not taken for the Characterization category)			
CHEM 315 - Spectral Interpretation (if not taken for the Characterization category)			
CHEM 451 - Advanced Organic Chemistry			
CHEM 455 - Organometallic Chemistry			
CHEM 490 - Special Topics			
MECH 210 - Materials Science I			
PHYS 311 – Electronics for Physical Scientists			
PHYS 320 - Physics of Solids			
PHYS 405 – Data Acquisition with LabVIEW			

PHYS 440 - Quantum Mechanics			

Additional Requirements for the B.S. Degree

Course Name	Equivalent	Credit	Grade
MATH 151 - Calculus I	MATH 170 @ JJC		
MATH 152 - Calculus II	MATH 171 @ JJC		

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		