



**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)			

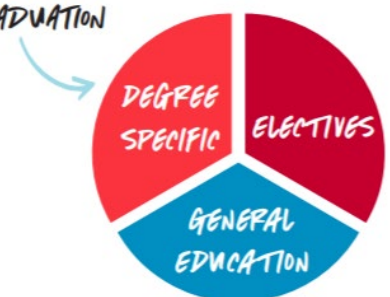
ELECTIVES

[illegible]

DEGREE-SPECIFIC REQUIREMENTS

B.A. – Foreign Language	<ul style="list-style-type: none"> • 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) <p><i>Some majors may require courses in addition to foreign language</i></p>
B.S., B.B.A., B.F.A., & B.M.E.	<ul style="list-style-type: none"> • Determined by individual major

**128 CREDITS NEEDED
FOR GRADUATION**



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

Transfer Planning Worksheet 2025-2026



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Chemistry, B.A.

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 Chemistry B.A. degree allows students more breadth to their college degree where they can pair their chemistry studies with an emphasis in a discipline outside 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 301 - Descriptive Inorganic Chemistry			
CHEM 310 - Chemical Analysis			
CHEM 391 - Seminar I			
CHEM 392 - Seminar II			
CHEM 485 - Chemical Research and Scientific Writing			
CHEM 493 - Seminar III			

Physical Chemistry			
One of the following:			
Course Name	Equivalent	Credit	Grade
CHEM 340 - Thermodynamics and Kinetics			
CHEM 345 - Quantum Chemistry and Spectroscopy			

Electives			
Eight credit hours from the following:			
Course Name	Equivalent	Credit	Grade
CHEM 252 - Organic Chemistry II	CHEM 210 @ JJC		
CHEM 311 - Separation Methods			
CHEM 312 - Spectrometry and Spectroscopy			
CHEM 313 - Materials and Surface Analysis			
CHEM 315 - Spectral Interpretation			
CHEM 401 - Advanced Inorganic Chemistry			
CHEM 451 - Advanced Organic Chemistry			
CHEM 455 - Organometallic Chemistry			

Professional Focus			
A minimum of 12 additional credit hours in approved courses in an area of professional focus. These courses are intended to have students explore what can be done with a chemistry degree. The focus area will cover one of a variety of disciplines such as health, chemical engineering, law, scientific writing, business, computer science, environmental, foreign language, forensics, mathematics, physics, spectroscopy, or additional chemistry. Examples of the 12 credit hours of professional focus are given below or you can devise your own plan that is approved by the department chair.			
Health: Medical, Dental, Veterinary, Podiatry, etc.			
Course Name	Equivalent	Credit	Grade

BIOL 195 - Investigating Biology or BIOL 205 - Exploring Biology			
BIOL 201 - Anatomy and Physiology I	BIO 250 @ JJC		
BIOL 202 - Anatomy and Physiology II	BIO 251 @ JJC		
BIOL 210 - Cells and Systems			
BIOL 230 - Genes and Genomics			
PHIL 213 - Health Care Ethics			
PSYC 100 - Psychology: Science of Behavior -or- SOCI 100 - Life Chances and Choices: Introduction to Sociology	PSYC 101 or SOC 101 @ JJC		

Health: Pre-Pharmacy

Course Name	Equivalent	Credit	Grade
BCHM 365 - Principles of Biochemistry	CHEM 212 @ JJC		
BIOL 145 - Allied Health Microbiology	BIO 240 @ JJC		
BIOL 195 - Investigating Biology or BIOL 205 - Exploring Biology			
BIOL 201 - Anatomy and Physiology I	BIO 250 @ JJC		
BIOL 202 - Anatomy and Physiology II	BIO 251 @ JJC		
ECON 200 - Principles of Microeconomics	ECON 104 @ JJC		
PHIL 213 - Health Care Ethics			
PSYC 100 - Psychology: Science of Behavior -or-- SOCI 100 - Life Chances and Choices: Introduction to Sociology	PSYC 101 or SOC 101 @ JJC		

Chemical Engineering

Course Name	Equivalent	Credit	Grade
CSCE 160 - Introduction to Computer Programming	CIS 246 or CIS 261 @ JJC		
MATH 300 - Linear Algebra	MATH 210 @ JJC		
MATH 315 - Ordinary Differential Equations	MATH 220 @ JJC		
MATH 253 - Calculus III	MATH 172 @ JJC		
PHYS 161 - Physics I: Mechanics and Heat	PHYS 201 @ JJC		
PHYS 162 - Physics II Electromagnetism, Waves and Optics	PHYS 202 @ JJC		
PHYS 311 – Electronics for Physical Scientists			

Law

Course Name	Equivalent	Credit	Grade
BUSN 205 - Business Law and Ethics	BLAW 101 @ JJC		
COMM 335 - Freedom of Expression			
LEAD 230 - Conflict Resolution			
PHIL 210 - Professional Ethics			
POLS 230 - Mock Trial I: Techniques and Procedures -or- POLS 321 - Model United Nations			

Scientific Writing

Course Name	Equivalent	Credit	Grade
ENGL 212 - Writing, Rhetoric, and Digital Studies: Text/Technologies			
ENGL 272 - English Grammar, Usage and Style			
ENGL 280 - Introduction to Professional Writing	ENG 230 @ JJC		
ENGL 282 - Writing in STEM Professions			
ENGL 312 - Multimedia Authoring			
ENGL 380 - Professional and Grant Writing			
ENGL 382 - Multimodal Professional and Technical Writing			
ENGL 384 - Wicked Writing Problems at Work			
ENGL 412 - Persuasion			

Additional Requirements for the B.A. Degree

Course Name	Equivalent	Credit	Grade
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MATH 151 – Calculus I	MATH 170 @ JJC		
Additional Calculus or Programming			
One of the Following:			
Course Name	Equivalent	Credit	Grade
CSCE 160 – Introduction to Computer Programming	CIS 246 or CIS 261 @ 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		
Additional Requirements for the B.A. Degree			
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.			