

TRANSFER PLANNING WORKSHEET: 2020-2021



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:

- Some courses may have pre-requisites; please consult the course catalog.
- At least 64 credit hours must be taken at a four-year institution; at least 128 credit hours are required for graduation.
- One course may fulfill a requirement in up to three different designations.
- Transfer students with an earned Associate of Arts or Associate of Science will only need to fulfill the Transfer Seminar, Well-Being, and Senior Seminar (indicated with *).

GENERAL EDUCATION

	Requirement	Course Number/Title	Credit	Grade
Core Requirements <small>May be fulfilled at NCC or through approved transfer courses</small>	Composition	ENGL 1101 @ COD		
	Writing Intensive	Completed in major		
	Public Speaking	SPEE 1100 @ COD		
	Fine 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	Any "POW" in guide		
	Ethical Dimensions	Any "ETH" in guide		
	Global Understanding	Any "GLO" in guide		
	Icons <small>Transfers with 28 or more transferable credit hours at entry are exempt</small>	Exempt if transferring with more than 28 credit hours		
Well Being*	BUSI 1120, ECON 1110, or PE 2251 @ COD			
NCC Reqs.	Transfer Seminar* <small>Must be taken at NCC</small>			
	Senior Seminar* <small>Must be taken at NCC</small>			

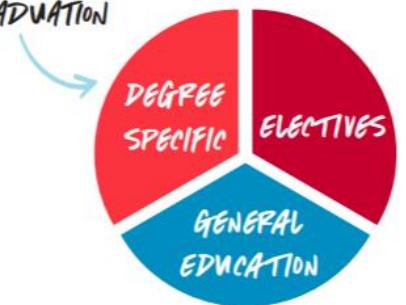
ELECTIVES

Course Number/Title	Credit	Grade

DEGREE-SPECIFIC REQUIREMENTS

B.A. – Foreign Language	<ul style="list-style-type: none"> • 3 years H.S. with "B" average or • MCL 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.	<ul style="list-style-type: none"> • Determined by individual major
B.B.A.	<ul style="list-style-type: none"> • Determined by individual major
B.M.E.	<ul style="list-style-type: none"> • Determined by individual major

128 CREDITS NEEDED FOR GRADUATION



Additional Notes: _____ COD course substitution guide: https://www.northcentralcollege.edu/sites/default/files/C_DuPage2020.pdf

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COLLEGE 1861**

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Chemistry, 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 Chemistry B.S. 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 1551 @ COD		
CHEM 122 - General Chemistry II	CHEM 1552 @ COD		
CHEM 251 - Organic Chemistry I	CHEM 2551 @ COD		
CHEM 301 - Descriptive Inorganic Chemistry			
CHEM 310 - Chemical Analysis			
CHEM 391 - Seminar I			
CHEM 392 - Seminar II			
CHEM 485 - Senior Research Capstone			
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 2552 @ COD		
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			
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, computer science, mathematics, physics, law, business, education, English, foreign language or additional chemistry. The 12 credit hours of professional focus must be selected from one of the lists below or approved by the department chair.			
Health			
A minimum of 12 credit hours from the following:			
Course Name	Equivalent	Credit	Grade

BIOL 145 - Allied Health Microbiology			
BIOL 195 - Investigating Biology			
BIOL 201 - Anatomy and Physiology I	ANAT 1551 or ANAT 1571 @ COD		
BIOL 202 - Anatomy and Physiology II	ANAT 1552 or ANAT 1572 @ COD		
BIOL 210 - Cells and Systems	BIOL 2151 @ COD		
BIOL 220 - Ecology and Evolution	BIOL 2150 @ COD		
BIOL 230 - Genes and Genomics			
PSYC 100 - Psychology: Science of Behavior	PSYC 1100 @ COD		
SOCI 100 - Life Chances and Choices: Introduction to Sociology	SOCI 1100 @ COD		

Education

A minimum of 12 credit hours from the following:

Course Name	Equivalent	Credit	Grade
EDUC 101 - Foundations of Teaching and Learning	EDUC 1100 @ COD		
EDUC 200 - Introduction to HS/MS/K12 Teaching			
EDUC 322 - Equitable Learning Environments: HS/MS			
PSYC 205 - Educational Psychology	PSYC 2220 @ COD		

Note:

Completion of the professional focus in Education does not result in teacher licensure.

Additional Requirements for the B.S. Degree

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

Additional Calculus or Programming

One of the following:

Course Name	Equivalent	Credit	Grade
CSC 160 - Introduction to Computer Programming	CIS 2485, CIS 2531, CIS 2541, CIS 2571, or CIS 2572		
MATH 152 - Calculus II	MATH 2232 @ COD		

Physics Sequence

One of the following sequences:

Non-Calculus

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

Calculus-Based

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