

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 <i>May be fulfilled at NCC or through approved transfer courses</i>	Composition	ENGL 1101 @ COD		
	Writing Intensive	ENGL 1102 @ COD		
	Public Speaking	SPEE 1100 @ COD		
	Fine Arts	Any "ART" in guide		
	Humanities	Completed in major		
	Social Science	Any "SOC" in guide		
	Science	Completed in major		
	Quantitative Analysis	Completed in major		
	Power Structures	Any "POW" in guide		
	Ethical Dimensions	Completed in major		
	Global Understanding	Any "GLO" in guide		
	Icons <i>Transfers with 28 or more transferable credit hours at entry are exempt</i>	Exempt if transferring with more than 28 credit hours		
	Well Being*	BUSI 1120, ECON 1110, or PHYS 2251 @ COD		
NCC Reqs.	Transfer Seminar* <i>Must be taken at NCC</i>			
	Senior Seminar* <i>Must be taken at NCC</i>			

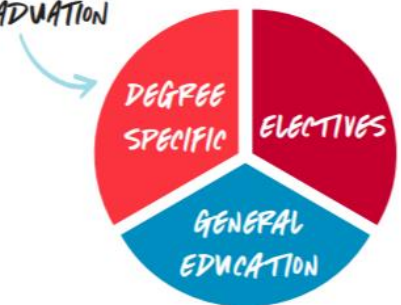
ELECTIVES

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) <i>Some majors may require courses in addition to foreign language</i>
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

Transfer Planning Worksheet 2020-2021



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COLLEGE 1861**

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Computer Engineering, B.S.

Computer Engineering is a blend of computer science and electrical engineering. Our students see a broad spectrum of applications in the areas of computer hardware/software and electronics.

Major Requirements

A minimum of 45 credit hours of Engineering coursework to include:

Core Courses			
Course Name	Equivalent	Credit	Grade
CSCE 160 - Introduction to Computer Programming	CIS 2485, CIS 2531, CIS 2541, CIS 2571, or CIS 2572 @ COD		
CSCE 210 - Data Structures	CIS 2542 @ COD		
CSCE 220 - Computer Organization and Design	CIS 2420 or CIS 2430 @ COD		
CSCE 230 - Discrete Structures			
CSCE 306 - Object-Oriented Software Development			
CSCE 320 - Computer Architecture			
CSCE 420 - Operating Systems			
CSCE 494 - Senior Capstone			
Four credit hours of CSCE or INFS electives at or above the 200-level			
ELEC 150 - Introduction to Electrical Engineering			
ELEC 200 - Digital Logic I	ENGI 2213 @ COD		
ELEC 250 - Circuit Analysis I	ENGI 2210 or ENGI 2220 @ COD		
ELEC 280 - Microcontrollers	ENGI 2223 @ COD		
ENGR 100 - Introduction to Engineering			
ENGR 110 - The Engineering Method			
ENGR 120 - Engineering Calculations			

Required Support Courses for the B.S. Degree

Ethics

One of the following:

Course Name	Equivalent	Credit	Grade
PHIL 110 - Ethics	PHIL 1110 @ COD		
PHIL 210 - Professional Ethics	PHIL 1114 @ COD		

Mathematics and Laboratory Science

A minimum of 30 credit hours of Mathematics and Science coursework to include:

Mathematics

Course Name	Equivalent	Credit	Grade
MATH 151 - Calculus I *	MATH 2231 @ COD		
MATH 152 - Calculus II	MATH 2232 @ COD		
MATH 253 - Calculus III	MATH 2233 @ COD		
MATH 255 - Linear Algebra and Differential Equation			

Laboratory Science

Two of the following:

Course Name	Equivalent	Credit	Grade
BIOL 106 - Introduction to Environmental Science	BIOL 1110 @ COD		

BIOL 108 - Water, Food and Sex			
BIOL 109 - Genes and Our Genetic Future			
BIOL 195 - Investigating Biology			
CHEM 121 - General Chemistry I	CHEM 1551 @ COD		
CHEM 122 - General Chemistry II	CHEM 1552 @ COD		
CHEM 125 - General Chemistry for Engineers			
PHYS 110 - Astronomy	EART 1120 or EART 1126 @ COD		
PHYS 161 - Physics I: Mechanics and Heat	PHYS 2111 @ COD		
PHYS 162 - Physics II: Electromagnetism, Waves and Optics	PHYS 2112 @ COD		

Statistics/Probability

One of the following:

Course Name	Equivalent	Credit	Grade
BUSN 265 - Business and Economics Statistics	MATH 1635, PSYC 2280, or SOCI 2205 @ COD		
MATH 260 - Introduction to Mathematical Statistics			
PSYC 250 - Statistics	MATH 1635, PSYC 2280, or SOCI 2205 @ COD		

Notes:

CSCE 230 applies to the Mathematics and Science total hours.

If students do not meet the minimum Mathematics and Science requirements, additional coursework may need to be taken.

Courses below MATH 151 do not apply to the required credit hours in Mathematics and Science.

*Students who do not place into MATH 151 must successfully complete the course prerequisite, MATH 140.