

# 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	ENGL 1102 @ COD		
	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 <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>			

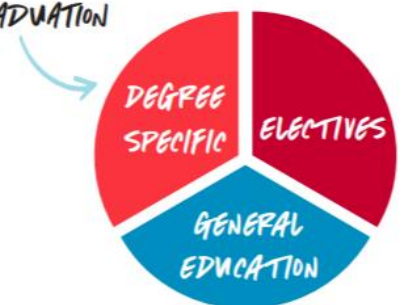
### ELECTIVES

Course Number/Title	Credit	Grade

### DEGREE-SPECIFIC REQUIREMENTS

<b>B.A. – Foreign Language</b>	<ul style="list-style-type: none"> <li>• 3 years H.S. with "B" average or</li> <li>• MCL 102 or equivalent or</li> <li>• Designated Study Abroad or</li> <li>• LANG 390 or CLSS 190 (available <b>only</b> to transfers entering with a <b>minimum of 51 transferable credits</b>) <i>Some majors may require courses in addition to foreign language</i></li> </ul>
<b>B.S.</b>	<ul style="list-style-type: none"> <li>• Determined by individual major</li> </ul>
<b>B.B.A.</b>	<ul style="list-style-type: none"> <li>• Determined by individual major</li> </ul>
<b>B.M.E.</b>	<ul style="list-style-type: none"> <li>• Determined by individual major</li> </ul>

**128 CREDITS NEEDED FOR GRADUATION**



**Additional Notes:** COD course substitution guide: [https://www.northcentralcollege.edu/sites/default/files/C\\_DuPage2020.pdf](https://www.northcentralcollege.edu/sites/default/files/C_DuPage2020.pdf)

# Transfer Planning Worksheet 2020-2021



**NORTH CENTRAL  
COLLEGE 1861**

Student Name: \_\_\_\_\_ North Central ID# \_\_\_\_\_ College Representative: \_\_\_\_\_ Date: \_\_\_\_\_

## Mechanical Engineering, B.S.

Mechanical Engineering offers a mix of mechanical design, simulations, robotics and manufacturing processes. Our graduates are prepared to be employed in a wide range of companies and research laboratories.

## 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		
ELEC 150 - Introduction to Electrical Engineering			
ELEC 280 - Microcontrollers	ENGI 2223 @ COD		
ELEC 300 - Electromechanics I			
ENGR 100 - Introduction to Engineering			
ENGR 110 - The Engineering Method			
ENGR 120 - Engineering Calculations			
ENGR 400 - Independent Project I			
ENGR 450 - Capstone I			
MECH 210 - Materials Science I			
MECH 220 - Mechanical Design I			
MECH 320 - Mechanical Design II			
MECH 410 - Control Systems			
MECH 420 - Manufacturing Processes			
MECH 440 - Robotics I			

## Required Support Courses for the B.S. Degree

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

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			
PHYS 161 - Physics I: Mechanics and Heat	PHYS 2111 @ COD		
PHYS 162 - Physics II: Electromagnetism, Waves and Optics	PHYS 2112 @ COD		
PHYS 211 - Engineering Statics	ENGI 2201 @ COD		
PHYS 300 - Computational Mechanics			

## Notes:

If students do not meet minimum the 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.