# TRANSFER PLANNING WORKSHEET: 2020-2021



#### 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
<b>Core Requirements</b> May be fulfilled at NCC or through approved transfer courses	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		
rem Ih ap	Quantitative Analysis	Completed in major		
Core Requirements NCC or through approve	Power Structures	Any "POW" in guide		
	Ethical Dimensions	Any "ETH" in guide		
	Global Understanding	Any "GLO" in guide		
v be fulfilled at	lcons Transfers with 28 or more transferable credit hours at entry are exempt	Exempt if transferring with more than 28 credit hours		
May	Well Being*	BUSI 1120, ECON 1110, or PHYS 2251 @ COD		
U š	Transfer Seminar* Must be taken at NCC			
NCC Reqs.	Senior Seminar* Must be taken at NCC			

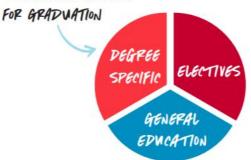
# DEGREE-SPECIFIC REQUIREMENTS

B.A. – Foreign Language	<ul> <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 only to transfers entering with a minimum of 51 transferable credits) Some majors may require courses in addition to foreign language</li> </ul>
B.S.	Determined by individual major
B.B.A.	Determined by individual major
B.M.E.	Determined by individual major

# ELECTIVES

Course Number/Title	Credit	Grade

#### **128 CREDITS NEEDED**



Additional Notes: COD course substitution guide: https://www.northcentralcollege.edu/sites/default/files/C\_DuPage2020.pdf

## **Transfer Planning Worksheet** 2020-2021



Student Name:\_\_

North Central ID#\_\_\_\_\_College Representative:\_\_\_\_\_Date:\_\_\_\_

#### **Electrical Engineering, B.S.**

Electrical Engineering offers a mix of circuit design, software development, communication systems and power electronics. Our graduates are well prepared for employment in a wide range of companies and research labs.

#### **Major Requirements**

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

Course Name	Equivalent	Credit	Grade
CSCE 160 - Introduction to Computer Programming	CIS 2485, CIS 2531, CIS 2541, CIS 2571, or CIS 2572 @ COD		
CSCE 220 - Computer Organization and Design	CIS 2420 or CIS 2430 @ COD		
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 251 - Circuit Analysis II			
ELEC 280 - Microcontrollers	ENGI 2223 @ COD		
ELEC 310 - Analog and Digital Signals			
ELEC 330 - Motors and Actuators			
ELEC 460 - Electronic Controls			
ENGR 100 - Introduction to Engineering			
ENGR 110 - The Engineering Method			
ENGR 120 - Engineering Calculations			
ENGR 400 - Independent Project I			
ENGR 450 - Capstone I			
Required Support Courses for the B.S. Degre	e		
Required Support Courses for the B.S. Degre		Credit	Grade
Required Support Courses for the B.S. Degree A minimum of 30 credit hours of Mathematics and Science cou	ursework to include: Equivalent MATH 2231 @ COD	Credit	Grade
Required Support Courses for the B.S. Degree A minimum of 30 credit hours of Mathematics and Science course Name MATH 151 - Calculus I *	Ursework to include: Equivalent MATH 2231 @ COD MATH 2232 @ COD	Credit	Grade
Required Support Courses for the B.S. Degree A minimum of 30 credit hours of Mathematics and Science course Name MATH 151 - Calculus I * MATH 152 - Calculus II	ursework to include: Equivalent MATH 2231 @ COD	Credit	Grade
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Required Support Courses for the B.S. Degree A minimum of 30 credit hours of Mathematics and Science con Course Name MATH 151 - Calculus I * MATH 152 - Calculus II MATH 253 - Calculus III	Inserver to include:         Equivalent         MATH 2231 @ COD         MATH 2232 @ COD         MATH 2233 @ COD         PHYS 2111 @ COD	Credit	Grade
Required Support Courses for the B.S. Degree A minimum of 30 credit hours of Mathematics and Science course Name MATH 151 - Calculus I * MATH 152 - Calculus II MATH 253 - Calculus III MATH 255 - Linear Algebra and Differential Equation PHYS 161 - Physics I: Mechanics and Heat	Arsework to include: Equivalent MATH 2231 @ COD MATH 2232 @ COD MATH 2233 @ COD	Credit	Grade
Required Support Courses for the B.S. Degree A minimum of 30 credit hours of Mathematics and Science con Course Name MATH 151 - Calculus I * MATH 152 - Calculus II MATH 253 - Calculus III MATH 255 - Linear Algebra and Differential Equation PHYS 161 - Physics I: Mechanics and Heat PHYS 162 - Physics II: Electromagnetism, Waves and Optics	Inserver to include:         Equivalent         MATH 2231 @ COD         MATH 2232 @ COD         MATH 2233 @ COD         PHYS 2111 @ COD	Credit	Grade
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Required Support Courses for the B.S. Degree A minimum of 30 credit hours of Mathematics and Science con Course Name MATH 151 - Calculus I * MATH 152 - Calculus II MATH 253 - Calculus II MATH 255 - Linear Algebra and Differential Equation PHYS 161 - Physics I: Mechanics and Heat PHYS 162 - Physics II: Electromagnetism, Waves and Optics PHYS 263 - Physics III: Quantum Physics	Inserver to include:         Equivalent         MATH 2231 @ COD         MATH 2232 @ COD         MATH 2233 @ COD         PHYS 2111 @ COD	Credit	Grade

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