



**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	ENGL 1101 @ COD		
Writing Intensive	ENGL 1102 @ COD		
Public Speaking	SPEEC 1100 @ COD		
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	BUSIN 1120, ECONO 1110, PHYS 2251, or PHYS 2254 @ COD		
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)			

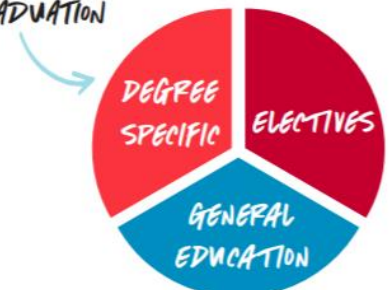
ELECTIVES

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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: COD Transfer Guide: <https://www.northcentralcollege.edu/sites/default/files/2025-2026%20COD%20Transfer%20Guide%20Final.pdf>

Transfer Planning Worksheet 2025-2026



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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:

Core Courses			
Course Name	Equivalent	Credit	Grade
CSCE 160 - Introduction to Computer Programming	CIS 1400, CIS 2485, CIS 2531, CIS 2541, CIS 2571, or CIS 2572 @ COD		
CSCE 220 - Computer Organization and Design	CIS 2420 @ COD		
ELEC 150 - Introduction to Electrical Engineering			
ELEC 200 - Digital Logic I	ENGIN 2213 @ COD		
ELEC 250 - Circuit Analysis I	ENGIN 2210 @ COD		
ELEC 351 - Circuit Analysis II			
ELEC 280 - Microcontrollers	ENGIN 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. 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			
ENGR 431 - Industrial Metrology and Statistics			
PHYS 161 - Physics I: Mechanics and Heat	PHYSI 2111 @ COD		
PHYS 162 - Physics II: Electromagnetism, Waves and Optics	PHYSI 2112 @ COD		
PHYS 266 - Physics III: Quantum Physics			
PHYS 320 - Physics of Solids			

Notes:

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.