



**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	ENG 101 @ JJC		
Writing Intensive	ENG 102 @ JJC		
Public Speaking	COMM 101 @ JJC		
Arts	Any "ART" in guide		
Humanities	Completed in major		
Social Science	Any "SOC" in guide		
Science	Any "SCI" in guide		
Quantitative Analysis	Completed in major		
Power Structures <b>or</b> Global Understanding*	Any "POW" or "GLO" in guide		
Ethical Dimensions	Completed in major		
Well Being	ECON 107, FIN 100, KIN 207, or PSYC 272 @ JJC		
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)	Completed in major		

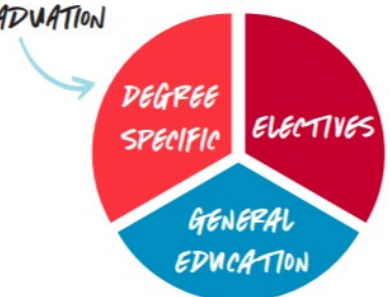
## ELECTIVES

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## 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>• LANG 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>)</li> </ul> <p><i>Some majors may require courses in addition to foreign language</i></p>
<b>B.S., B.B.A., B.F.A., &amp; B.M.E.</b>	<ul style="list-style-type: none"> <li>• Determined by individual major</li> </ul>

**128 CREDITS NEEDED  
FOR GRADUATION**



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

# Transfer Planning Worksheet 2025-2026



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

## 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 246 or CIS 261 @ JJC		
CSCE 210 - Data Structures	CIS 269 @ JJC		
CSCE 220 - Computer Organization and Design			
CSCE 230 - Discrete Structures	MATH 137 @ JJC		
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	EGR 210 @ JJC		
ELEC 250 - Circuit Analysis I	EGR 220 @ JJC		
ELEC 280 - Microcontrollers			
ENGR 100 - Introduction to Engineering	EGR 105 @ JJC		
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 103 @ JJC		
PHIL 210 - Professional Ethics			
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 170 @ JJC		
MATH 152 - Calculus II	MATH 171 @ JJC		
MATH 253 - Calculus III	MATH 172 @ JJC		
MATH 255 - Linear Algebra and Differential Equation			
Laboratory Science			
Eight credit hours from the following:			
Course Name	Equivalent	Credit	Grade
BIOL 106 - Introduction to Environmental Science	BIO 146 @ JJC		
BIOL 108 - Water, Food and Sex			

BIOL 109 - Genes and Our Genetic Future			
BIOL 195 - Investigating Biology or BIOL 205 - Exploring Biology			
CHEM 121 - General Chemistry I	CHEM 101 @ JJC		
CHEM 122 - General Chemistry II	CHEM 102 @ JJC		
CHEM 125 - General Chemistry for Engineers			
PHYS 110 - Astronomy	ASTR 101 @ JJC		
PHYS 161 - Physics I: Mechanics and Heat	PHYS 201 @ JJC		
PHYS 162 - Physics II: Electromagnetism, Waves and Optics	PHYS 202 @ JJC		

## Statistics/Probability

A minimum of four credit hours from one of the following options:

### Option 1

Course Name	Equivalent	Credit	Grade
MATH 340 - Probability			

### Option 2

One of the following:

Course Name	Equivalent	Credit	Grade
BUSN 265 – Business and Economics Statistics	BUS 205 @ JJC		
PSYC 250 - Statistics	MATH 128 @ JJC		

### -AND-

A minimum of two additional credit hours from:

- A course in the Lab Science List
- A mathematics course with a minimum prerequisite of MATH 151

## Notes:

\*Mathematics and Laboratory Science hours based on ABET criteria:

- 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.