

TRANSFER PLANNING WORKSHEET: 2025-2026



**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 @ WCC | | |
| Writing Intensive | <i>Completed in Major</i> | | |
| Public Speaking | COM 100 @ WCC | | |
| Arts | Any "ART" in guide | | |
| Humanities | Any "HUM" in guide | | |
| Social Science | Any "SOC" in guide | | |
| Science | <i>Completed in Major</i> | | |
| Quantitative Analysis | <i>Completed in Major</i> | | |
| Power Structures or Global Understanding* | Any "POW" or "GLO" in guide | | |
| Ethical Dimensions | Any "ETH" in guide | | |
| Well Being | FIN 205 or HED 100 @ WCC | | |
| 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) | <i>Completed in Major</i> | | |

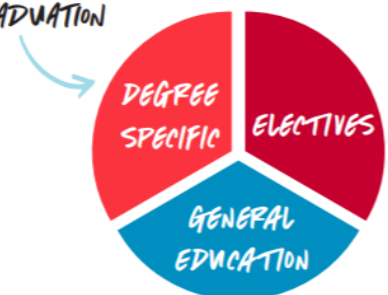
ELECTIVES

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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: WCC Transfer Equivalency Guide: <https://www.northcentralcollege.edu/sites/default/files/2025-2026%20WCC%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 130, CIS 150, CIS 230, OR CIS 25 @ WCC | | |
| CSCE 220 - Computer Organization and Design | | | |
| ELEC 150 - Introduction to Electrical Engineering | | | |
| ELEC 200 - Digital Logic I | | | |
| ELEC 250 - Circuit Analysis I | | | |
| ELEC 351 - Circuit Analysis II | | | |
| ELEC 280 - Microcontrollers | | | |
| 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 * | MTH 131 @ WCC | | |
| MATH 152 - Calculus II | MTH 132 @ WCC | | |
| MATH 253 - Calculus III | MTH 233 @ WCC | | |
| MATH 255 - Linear Algebra and Differential Equation | | | |
| ENGR 431 - Industrial Metrology and Statistics | | | |
| PHYS 161 - Physics I: Mechanics and Heat | PHY 221 @ WCC | | |
| PHYS 162 - Physics II: Electromagnetism, Waves and Optics | PHY 222 @ WCC | | |
| 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.