

Transferring to UNI

Eastern Iowa Community College Mechatronics Technology students interested in transferring to the University of Northern Iowa's Electrical Engineering Technology program will have the following courses left to complete at UNI.

Math-Science Core **18 SH**

MATH 1150 Calculus for Technology	
OR *MATH 1420 Calculus I	4
STAT 1774 Introductory Stats for Life Sciences	
OR *STAT 1772 Introduction to Statistical Methods	3
CS 1160 C/C+ Programming	3
*PHYSICS 1511 General Physics I	4
PHYSICS 1512 General Physics II	4

Technical Core **31 SH**

TECH 2041 Intro to Analog Electronics	3
TECH 4103 Electronic Communications	3
TECH 4104 Applied Digital Signal Processing	3
TECH 3129 Linear Control Systems	3
TECH 3152 Advanced Analog Electronics	3
TECH 3156 Advanced Digital Electronics	3
TECH 4165 Wireless Communication Networks	3
TECH 3166 Advanced Electrical Power System	3
TECH 4167 Power Electronics Applications	3
TECH 4174 Senior Design I	1
TECH 4176 Senior Design II	3

Technical Writing Core **3 SH**

ENGLISH 3186 Studies in Technical Writing	3
---	---

Liberal Arts Core **38 SH**

Category 1. Core Competencies 9 SH

- A. Reading and Writing
- B. Speaking and Listening
- D. Personal Wellness

Category 2. Civilizations & Cultures 9 SH

- A. Humanities
- B. Non-Western Cultures

Category 3. Fine Arts, Literature, Philosophy and Religion 6 SH

- A. Fine Arts
- B. Literature, Philosophy, or Religion

Category 4. Natural Science and Technology 3 SH

- A. Life Sciences

Category 5. Social Science 9 SH

- A. Sociocultural & Historical Perspectives
- B. Individual & Institutional Perspectives
- C. Topical Perspectives

Category 6. Capstone Experience 2 SH

Notes:

* This course will satisfy requirements for both the Liberal Arts Core and the major.

