

NORTHERN TRANSFER TRACK

ELECTRICAL ENGINEERING TECHNOLOGY

Below are the first and second years of this program. A maximum of 90 semester credits may transfer to NMU from a two-year college. Unless otherwise designated, a grade of C- or higher is required for transfer to NMU. Major courses require a C or higher grade to apply to requirements.



NORTHERN MICHIGAN UNIVERSITY



Northcentral
TECHNICAL COLLEGE

NORTHCENTRAL TECHNICAL COLLEGE COURSEWORK

NorthCentral Technical College First Semester

- ☐ 612-120 Fluid Power Systems 1
- ☐ 612-121 Fluid Power Systems 2
- ☐ 620-172 Industry Workplace Safety
- ☐ 660-118 Electrical Fabrication
- ☐ 660-121 Intro to Microcontrollers
- ☐ 660-123 Industrial Electronics Technology I
- ☐ 660-124 Industrial Electronics Technology 2
- ☐ 806-154 General Physics
- ☐ 620-171 Autocad for Technicians OR
664-101 Autocad Electrical
- ☐ 804-118 Intermediate Algebra W/Apps OR
804-195 College Algebra w/Apps

NorthCentral Technical College Third Semester

- ☐ 420-101 Introduction to Machine Shop
- ☐ 620-154 Robotic Applications 1
- ☐ 620-155 Robotic Applications 2
- ☐ 620-160 Industrial Motors 2
- ☐ 620-161 Servo Systems 1
- ☐ 620-162 Servo Systems 2
- ☐ 620-164 PLC 1
- ☐ 620-165 PLC 2
- ☐ 620-166 PLC 3
- ☐ 620-173 Electromechanical Troubleshooting
- ☐ 660-127 Industrial Electronics Technology 5
- ☐ 660-128 Industrial Electronics Technology 6
- ☐ 801-196 Oral/Interpersonal Communication

NorthCentral Technical College Second Semester

- ☐ 606-133 Solid Works 1
- ☐ 620-151 Machine Control 1
- ☐ 620-152 Machine Control 2
- ☐ 620-153 Machine Control 3
- ☐ 620-157 Mechanical Systems 1
- ☐ 620-158 Mechanical Systems 2
- ☐ 620-159 Industrial Motors 1
- ☐ 660-125 Industrial Electronics Technology 3
- ☐ 660-126 Industrial Electronics Technology 4
- ☐ 806-144 College Physics 2
- ☐ 801-195 Written Comm OR 801-136 English Comp

NorthCentral Technical College Fourth Semester

- ☐ 442-101 Introduction to Welding
- ☐ 620-145 Electromechanical Projects
- ☐ 620-163 Servo Systems 3
- ☐ 620-167 PLC 4
- ☐ 620-168 PLC 5
- ☐ 620-169 PLC 6
- ☐ 809-172 Introduction to Diversity Studies OR
809-196 Introduction to Sociology
- ☐ 809-199 Psychology of Human Relations OR
809-198 Introduction to Psychology

NMU Courses that will be waived if A.A.S in Electromechanical Technology is completed at NorthCentral Technical College:

ET 112 DC Circuit Analysis
ET 113 AC Circuit Analysis
ET 250 Industrial Electrical Machinery
ET 252 Industrial Motor Controls
ET 311 Applied Programmable Controllers
ET 360 Process Control Systems

DD 105 Schematic / Diagram Drafting
IT 180 Introduction to Fluid Power
IT 215 General Industrial Safety
IT 291 Industrial Robotics I
IT 292 Industrial Robotics II

In addition to the above courses, students must also complete the following courses at Northcentral Technical College to be eligible for this agreement:

NorthCentral Technical College Course
<input type="checkbox"/> 801-155 English Composition II
<input type="checkbox"/> 809-103 Thinking Critically and Creative
<input type="checkbox"/> 806-134 General Chemistry
<input type="checkbox"/> 804-189 Introductory Statistics
<input type="checkbox"/> 804-198 Calculus I

Northern Michigan University Equivalent
<input type="checkbox"/> EN 211 College Composition II
<input type="checkbox"/> INTT 1009 Integrative Thinking General Education
<input type="checkbox"/> CH 105 Chemical Principles
<input type="checkbox"/> DATA 109 Introduction to Statistics
<input type="checkbox"/> MA 161 Calculus I

Visit **nmu.edu/transfer** for admission application instructions and help.

FIRST YEAR AT NORTHERN MICHIGAN UNIVERSITY
Summer Semester One
<input type="checkbox"/> ET 115 Bridge Course (Online)
Fall Semester Three
<input type="checkbox"/> PH 201 College Physics I
<input type="checkbox"/> ET 210 Discrete Semiconductors
<input type="checkbox"/> ET 321 Embedded Systems Programming
<input type="checkbox"/> General Ed/Electives (4 credits)
Winter Semester Three
<input type="checkbox"/> ET 212 Advanced Linear Circuits
<input type="checkbox"/> ET 211 Digital Electronics
<input type="checkbox"/> ET 420 Microcontroller Applications
<input type="checkbox"/> MET 211 Statics
<input type="checkbox"/> General Ed/Electives (4 credits)

SECOND YEAR AT NORTHERN MICHIGAN UNIVERSITY
Fall Semester Four
<input type="checkbox"/> ET 431 Senior Project I
<input type="checkbox"/> ET 410 Interf. and Data Acq.
<input type="checkbox"/> IT 420 Quality Control
<input type="checkbox"/> General Ed/Electives (4-8 credits)
Winter Semester Four
<input type="checkbox"/> ET 415 Controls
<input type="checkbox"/> ET 432 Senior Project II
<input type="checkbox"/> TE 351 Humanity & Technology
<input type="checkbox"/> General Ed/Electives (4-8 credits)

FOR ASSISTANCE WITH YOUR TRANSFER ADMISSIONS PROCESS, CONTACT:

North Central Technical College Student Services
Emily Erickson, Specialist
715-803-1785
ericksone@ntc.edu

NMU Transfer Admissions Counselor
Kirsten Menigoz
906-869-4338
kmenigoz@nmu.edu

