

TRANSFER PATHWAY GUIDE

Department of Engineering Technology (ENT) Bachelor of Science in Applied Science—Completion Program
 Major: Electrical and Computer Engineering Technology
 For students entering fall 2023 and after from
 Cincinnati State Technical and Community College

Foundation Requirements

* Included in the Ohio Transfer Module (OTM)

| Required Course from Miami | Acceptable Cincinnati State Technical and Community College Transfer Credit |
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| ENG 111, One year of Freshman English College I Composition or ENG 109 College Composition for Second Language Writers | ENG 101* English Composition |
| ECO 201 Microeconomics or ECO 202 Macroeconomics | ECO 105* Microeconomics or ECO 110* Macroeconomics |
| STC 135 Intro to Public Expression and Critical Inquiry or STC 136 Intro to Interpersonal Communication | COMM 105 Interpersonal Communication or COMM 110* Public Speaking |
| ENG 215 Workplace Writing or ENG 313 Technical Writing | ENG 104* Composition and Technical Communication |
| PHY 161 Physics for Life Sciences I with Lab OR PHY 181 General Physics I and PHY 183 Lab | PHY 151* Algebra & Trigonometry Based Physics I |
| PHY 162 Physics for Life Sciences II with Lab OR PHY 182 General Physics II and PHY 184 Lab | PHY 152* Algebra & Trigonometry Based Physics II |
| CHM 141 College Chemistry (3) and CHM 144 College Chemistry Lab (2) | CHE 121* General Chemistry I and CHE 131* Lab for General Chemistry I |
| MTH 151 Calculus I | MAT 251* Calculus I |
| MTH 251 Calculus II | MAT 252* Calculus II |
| Approved Intercultural Perspectives if admitted to Miami prior to Fall 2023 or Intercultural Consciousness Elective if admitted to Miami on or after Fall 2023 (Online Options) | CULT105 Issues in Human Diversity LIT 285 Women Writers SWK 200 Social Welfare Policy Or Take an approved course from Miami |

Complete Engineering Technology (ENT) core courses listed below. You should have taken some of these in your associate degree program. Calculus I must be completed prior to starting Miami courses.

Engineering Technology Core Courses

| Required Course from Miami | Acceptable Cincinnati State Technical and Community College |
|---|---|
| CSE 153/163 Introduction to C/C++ Programming or similar course | SET 151 C Programming or IT 101 .Net Programming I or IT 105 Visual Basic or similar course |
| ENT 192 Circuit Analysis I (3) [OET001 DC Circuits] | EET 131 Circuit Analysis I |
| ENT 193 Circuit Analysis II (3) [OET003 AC Circuits] | EET 132 Circuit Analysis II |
| ENT 196 Electronics (3) [OET005 Electronics] | ESET 251 Electronics I |
| ENT 271 Mechanics I – Statics [OET007 Statics] | MET 150 Statics and Strength of Materials |
| ENT 293 Digital Systems [OET002 Digital] | EET 121 Digital Systems I |
| ENT 294 Local area Networks | NETC 121 Network Communications I |

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| ENT 295 Microprocessor Technology I [OET004 Microprocessors] | EET 220 Microprocessor Systems |
| MTH 245 Differential Equations | Take from Miami |
| Technical Electives Take ONE of the following technical electives from Miami: ENT313 - Introduction to Robotics ENT413 - Industrial Robotics Lab | Take from Miami |
| STA 261 or STA 301 Applied Statistics *** | Take from Miami |
| ENT 301 Dynamics *** | Take from Miami |
| ENT 302 Fundamentals of Signals & Systems *** | Take from Miami |
| ENT 303 Digital Signal Processing for Tech. *** | Take from Miami |
| ENT 311 Process Control Interface Design | Take from Miami |
| ENT 316 Project Management | Take from Miami |
| ENT 387 Embedded Microcontrollers | Take from Miami |
| ENT 401 Computerized instrumentation | Take from Miami |
| ENT 402 Industrial Automation Lab | Take from Miami |
| ENT 403 Wireless Communication & Networks | Take from Miami |
| ENT 418 Electromechanical Control Systems | Take from Miami |
| ENT 497 Senior Design I | Take from Miami |
| ENT 498 Senior Design II | Take from Miami |
| Distance Courses Offered Via WebEx from Miami. Calculus I must be completed prior to starting Miami courses. ***Transfer Equivalencies within ENT program ONLY | |

SPECIAL NOTES

1. When applying to Miami University Regionals, please apply early for best course availability. For fall applicants, we suggest applying in the spring semester.
2. Application Deadlines: Fall Admission – Aug. 1 Spring Admission – Jan. 1.
3. Transfer Scholarship Deadlines: Fall Admission – June 1. Spring Admission – Dec. 1. See the Miami Regionals scholarship page for more information: MiamiOH.edu/Regionals/Scholarships

Link to Miami degree program

MiamiOH.edu/Regionals/ENT

Miami Contact Name and Information:

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