

The world will always need engineers - highly-skilled professionals who keep machines processing and producing, cogs turning and systems in check. Electrical & Computer Engineering Technology prepares graduates for work in that portion of the technological spectrum closest to product improvement, industrial processes and operational functions.

RECOMMENDED FOUR-YEAR PLAN

First Year

<i>First Semester • 17 - 18 Credit Hours</i>	<i>Second Semester • 16 Credit Hours</i>
ENG 111 English Composition (3)	STC 136 Intro to Interpersonal Communication (3) or STC 135 Principles of Public Speaking (3)
ENT 192 Circuit Analysis I (3)	MTH 151 Calculus (4)*
PA Natural Science (3-4)	ENT 193 Circuit Analysis II (3)
PA Creative Arts (3)**	CSE 163 Intro to Computer Programming or CSE 153 Intro to C/C++ Programming (3)
BRIDGE COURSES MTH 125 recommended (5)	PA Global Citizenship (3)**

Second Year

<i>First Semester • 17 Credit Hours</i>	<i>Second Semester • 16 - 18 Credit Hours</i>
ENT 196 Electronics (3)	ENT 295 Microprocessor Technology I (3)
ENT 293 Digital Systems (3)	PHY 162 Physics for Life Science II (4) or PHY 192 Physics with Lab I (5)
ENT 294 Local Area Networks (3)	STA 301 Applied Statistics (3) or STA 261 Statistics (4)
EGS 215 Workplace Writing (3) or ENG 313 Technical Writing (3)	ECO 201 Principles of Microeconomics (3) or ECO 202 Principles of Macroeconomics (3)
PHY 161 Physics for Life Science I (4) or PHY 191 Physics with Lab I (5)	PA Global Citizenship (3)**

Third Year

<i>First Semester • 15 - 16 Credit Hours</i>	<i>Second Semester • 15 Credit Hours</i>
ENT 311 Process Control Interface Design (3)	ENT 271 Mechanics I: Statistics (3)
MTH 251 Calculus II (4)	ENT 302 Fund. of Signals & Systems (3)
MTH 222 Intro to Linear Algebra (3)	ENT 316 Project Management (3)
CHM 141/144 College Chemistry with Lab (5-6)	ENT 387 Embedded Systems Technology (3)
	MTH 245 Differential Equations for Engineers (3)

Fourth Year

<i>First Semester • 14 Credit Hours</i>	<i>Second Semester • 17 Credit Hours</i>
ENT 301 Dynamics (3)	ENT 402 Industrial Automation Lab (3)
ENT 303 Digital Signal Processing Technology (3)	ENT 403 Wireless Communication & Networks (3)
ENT 401 Computerized Instrumentation (3)	ENT 418 Electro-Mechanical Control Systems (3)
ENT 497 Senior Design Project (2)	ENT 498 Senior Design Project (2)
PA Global Citizenship (3)**	PA Humanities (3)**
	PA Global Citizenship (3)**

* Depending on mandatory math placement.

** Two Miami Plan Perspective Area classes should also be *Signature Inquiry*

This planning sheet does not guarantee offer of classes in any given semester; please consult with an Advisor to schedule your classes appropriately. Your degree audit is your official program record.

CAREER OPTIONS

The ECET program has direct impact on the developing and growing energy and environmental sectors, dual-use technologies and civilian and military use. It will give graduates the necessary technical and managerial skills for careers in design, application, installation, manufacturing, operation and maintenance of electrical/electronic/computer systems. ECET graduates work in a wide spectrum of careers including:

- Automated Manufacturing
- Instrumentation and Control
- Medical Systems
- Energy and Environmental Systems
- Wireless Communication
- Digital Signal Processing

GRADUATION REQUIREMENTS

Students must earn a minimum of 124 credit hours, achieve an overall GPA of 2.0 and a 2.0 in all required ENT courses in order to qualify for graduation. Students should consult with their DAR and advisor to ensure that all degree requirements are met prior to graduation.

<http://bulletin.miamioh.edu/liberal-arts-applied-science/engineering-technology-bs/>

CONTACT INFORMATION

Department of Engineering Technology

513-785-1804
ent@MiamiOH.edu
MiamiOH.edu/Regionals/ENT

Office of Advising

513-727-3440
regadvising@MiamiOH.edu
MiamiOH.edu/Regionals/Advising

Office of Admission

513-785-3111
MURAdmission@MiamiOH.edu
MiamiOH.edu/Regionals/Admission

Career Services and Professional Development

513-727-3390
miamiregionalscareer@MiamiOH.edu
MiamiOH.edu/Regionals/Careers