

# Electrical and Computer Engineering Technology Course Flow (revised 8/6/16)

Generic Flowchart for Bachelors Completion Degree Program

## Freshman and Sophomore Years

**COMPLETE YOUR ASSOCIATE DEGREE IN ELECTRICAL / ELECTRONICS or SIMILAR ENGINEERING TECHNOLOGY PROGRAMS**

**\*Transfer Students must also complete the Ohio Transfer Module at their institutions. This Module is available [HERE](#).**

### ELECTRICAL & COMPUTING ENGINEERING TECHNOLOGY BACHELORS COMPLETION DEGREE PROGRAM REQUIREMENTS:

You must clear the ENT Core courses (32 semester hours minimum) including those listed below. Students must meet the general requirements for graduation from Miami which include a **minimum of 32 credit hours taken from Miami** and **12 of the last 20 credit hours must be taken from Miami**. You should have taken some of these in your associate degree program. **You can complete the remaining courses while taking the required Miami courses**

[Ohio Board of Regents Ohio Articulation Numbers]

**CSE 153** Introduction to C/C++ Programming

**MTH 251** Calculus II

**ENT 192** Circuit Analysis I [OET001 DC Circuits]

**ENT 193** Circuit Analysis II [OET003 AC Circuits]

**ENT 196** Electronics [OET005 Electronics]

**ENT 271** Mechanics I: Statics [OET007 Statics]

**ENT 293** Digital Systems

**ENT 294** Local Area Networks

**ENT 295** Microprocessor Technology I [OET004 Microprocessors]

\*See Your School's Articulation Agreement for more information

## Junior Year

Fall

Spring

**ENT 301**  
Dynamics  
**Pre Reqs: MTH 151 and ENT 271**

**ECE 387**  
Embedded Microcontrollers  
**CSE 153**

**ENT 311**  
Process Control Interface Design  
**ENT 193 and CSE 153**

**ENT 316**  
Project Management  
**STA 301 CO-REQ ECON 201 or 202**

**ENT 401**  
Computerized Instrumentation  
**MTH 151 and ENT 311**

**STA 301**  
Statistics  
**MTH 151**

**ENT 298**  
Data Communications  
**CSE 153**

**Intercultural Perspectives**  
MP  
\*If taking online @ Miami

## Senior Year

Fall

Spring

**ENT 497**  
Senior Design Project (MPC)  
**Senior Standing**

**ENT 498**  
Senior Design Project (MPC)

**ENT 418**  
Electro-mech. Control Systems  
**MTH 251 and ENT 401**

**ENT 303**  
Digital Signal Processing  
**STA 301**

**ENT 403**  
Wireless Comm. & Networks

**MTH 231**  
Discrete Math  
**MTH 151**  
OR  
**MTH 222**  
Linear Algebra  
**MTH 251**

**ENT 402**  
Industrial Automation  
**ENT 311**