

Electromechanical 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, MECHANICAL, ELECTROMECHANICAL, POWER SYSTEMS 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** [CTAG Numbers]

ENT 135 Computer-Aided Drafting [OET012 Computer Aided Design]

ENT 151 Engineering Materials [OET013 Engineering Materials]

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 272 Strength of Materials [OET008 Strength of Materials]

ENT 293 Digital Systems

*See Your School's Articulation Agreement for more information

Junior Year

Fall

Spring

ENT 301
Dynamics

Pre Reqs: MTH 151 and ENT 271

ENT 310
Fluid Mechanics

MTH 151 and ENT 271

ENT 311
Process Control Interface Design

ENT 193 and CSE 153

ENT 316
Project Management

STA 301 CO-REQ
ECON 201 or 202

STA 301
Statistics

MTH 151

ENT 407
Modern Manufacturing Systems

ENT 151 and ENT 272

Senior Year

Fall

Spring

ENT 497
Senior Design Project (MPC)

Senior Standing

ENT 498
Senior Design Project (MPC)

ENT 401
Computerized Instrumentation

MTH 151 and ENT 311

ENT 418
Electro-mech. Control Systems

MTH 251 and ENT 401

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

ENT 402
Industrial Automation

ENT 311

