Electro-Mechanical Engineering Technology (B.S. Completion Program)

The EMET program produces graduates who:

- possess the ability to apply theoretical knowledge to solve engineering technology problems associated with instrumentation and control systems.
- are knowledgeable of modern applications in process control systems.

The Electro-Mechanical Concentration is an Engineering Technology baccalaureate degree completion program for graduates of associate degree programs in electrical/electronics, mechanical, electro-mechanical or similar engineering technology programs. The objective of this program is to allow students who possess an associate degree in these areas to complete the bachelor degree in approximately the equivalent of two years of full-time work (64-70 semester

A s s o c

or PHY 191

Degree or as a Bridge to a Bachelor's Completion.

CSE 153	Introduction to C/C++ Programming
or CSE 163	Introduction to Computer Concepts and Programming

Code	Title	Credit Hours
ENT 135	Computer-Aided Drafting	
ENT 151	Engineering Materials	
ENT 192	Circuit Analysis I	
ENT 193	Circuit Analysis II	
ENT 196	Electronics	
ENT 271	Mechanics I: Statics	
ENT 272	Mechanics II: Strength of Materials	
ENT 293	Digital Systems	
Program Course Requirements (64 semester hours)		
General Education Requirements		
If Associate Degree is from Miami:		
Fine Arts elective		3
Biological Science elective		3
Global Perspectives elective		3
If Associate Degree is not from Miami:		
Ohio Transfer Module		
OR		
Global Miami Plan Completion (See at end of page)		
Engineering Technology Requirements [1]		
CHM 141	College Chemistry	3
CHM 144	College Chemistry Laboratory	2
ENT 301	Dynamics	3
ENT 310	Fluid Mechanics	3
ENT 311	Process Control Interface Design	3

Code	Title	Credit Hours
or STA 261	Statistics	
Additional Bridge Courses [2]		9
Intercultural Perspectives elective		3
Total Credit Hours		124
Course List		

[1] This electro-mechanical concentration of courses provides depth in mechanical, electrical, and software integration necessary for automation.

[2] Students with an Associate Degree in Electrical and Computer Engineering Technology, or similar program, must take ENT 151, ENT 271, and ENT 272. Students with an Associate Degree in Mechanical Engineering Technology, or similar program, must take ENT 193, ENT 196, and ENT 293.

Global Miami Plan Associate Degree Requirements

x Office of Liberal Education

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