

Electro-Mechanical Engineering Technology

Center for Innovative Technologies Division

2015-2016 Curriculum

Note: All degree seeking students must complete a First Year Experience (FYE) course as part of the first 12 credit hours taken at Cincinnati State.

Course	Title	Pre-Reqs	Lec	Lab	Credit Hours
Semester 1					
EET-131	Circuits Analysis 1		3	2	4
EMET-140	EMET Foundations		1	2	2
ENG-101	English Composition 1		3	0	3
MAT-XXX	Mathematics Elective 1		3	2	4
PSET-110	Power Systems CAD		2	3	3
					16
Semester 2					
EET-121	Digital Systems 1	MAT 121 (see catalog)	2	2	3
EET-132	Circuits Analysis 2	EET 131, MAT 125	3	2	4
EMET-180	Process Instrumentation	EET 131, EMET 140	2	3	3
MAT-XXX	Mathematics Elective 2		3	2	4
MET-111	Manufacturing Processes 1		2	3	3
					17
Semester 3					
EMET-291	Full-Time Cooperative Education 1: EMET	EMET 140	1	40	2
MET-150	Statics and Strengths of Materials	MAT 121 or MAT 125	2	3	3
					5
Semester 4					
COMM-110	Public Speaking	ENG 101	3	0	3
ECO-1XX	Economics Elective		3	0	3
EMET-240	PLCs, Motors, Motor Controls and Kinematics	EET 132	2	3	3
EMET-285	Electro-Mechanical Engineering Tech Capstone	EMET 140, EET 132	0	2	1
ENG-10X	English Composition Elective		3	0	3
PHY-XXX	Physics Elective		3	2	4
					17
Semester 5					
EMET-270	Robotics and Servomechanisms	EET 132	3	3	4
EMET-290	Electro-Mechanical Engineering Tech Capstone	EMET 285	1	2	2
XXX-XXX	Humanities Elective	ENG 101	3	0	3
XXX-XXX	Technical Elective		2	3	3
					12
Semester 6					
EMET-292	Full-Time Cooperative Education 2: EMET	EMET 291	1	40	2
					2
					Total 69

English Composition Elective: ENG 102, ENG 103, ENG 104, ENG 105

Economics Elective: ECO 105, ECO 110

Humanities Elective: CULT 105, CULT 110, PHI 110

Physics Elective: PHY 151, PHY 201

Math Electives: Take one of the following series: MAT 125 and MAT 126; or MAT 251 and MAT 252

Technical Elective: EMET 245, MET 240, MET 260