

Cincinnati State Technical and Community College

Electro-Mechanical Engineering Technology

AAS

REQUIRED COURSES:	Semester Hours
Semester One	
EMET 150 Introduction to Controls and Robotics	2
CIT 105 OSHA 10 General Industry Safety	1
EET 131 Circuit Analysis 1	4
PSET 110 Power Systems Computer Aided Drafting	3
FYE 1XX First Year Experience Elective	1
MAT XXX Mathematics Elective 1	4
Semester Two	
EMET 180 Process Instrumentation	3
EET 132 Circuit Analysis 2	4
ENG 101 English Composition 1	3
MET 111 Manufacturing Processes 1	3
MAT XXX Mathematics Elective 2	4
Semester Three	
XXX XXX Cooperative Education or Transfer Elective 1	2
Semester Four	
EMET 240 Programmings Logic Controllers, Mtors, Moto Controls and Kinematic	3
EMET 245 Laser 1	4
PHY XXX Physics Elective	4
ENG 10X English Composition Elective	3
Semester Five	
EMET 270 Robotics and Servomechanisms	4
EMET 275 Electric Drive Mechanisms	4
MET 150 Statics and Strength of Materials for MET	3
XXX Arts/Humanities or Social/Behavioral Science Elective	3
Semester Six	
Cooperative Education or Transfer Elective 2	2
ELECTIVES	
First Year Experience Electives	
FYE 100 College Survival Skills	1
FYE 105 College Success Strategies	2
FYE 110 Community College Experience	3
English Compostion Electives	
ENG 102 English Composition 2: Contemporary Issues	3

ENG 104 English Composition 2: Technical Communication	3
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Mathematics Electives (take one of following series)

MAT 125 Algebra and Trigonometry & MAT 126 Functions and Calculus or	3
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MAT 251 Calculus 1 and MAT 252 Calculus 2	3
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Physics Elective

PHY 151 Physics 1: Algebra and Trigonometry-Based	4
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PHY 201 Physics 1: Calculus-Based	5
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Arts/Humanities Elective

Any ART, CULT, FRN, LIT, MUS, PHI, REL, SPIN, THE or COMM130	
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Cooperative Education or Transfer Electives

EMET 291 Full-time Cooperative Education 1: Electro-Mechanical Engineering Technology	2
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EMET 292 Full-time Cooperative Education 2: Electro-Mechanical Engineering Technology	2
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EET 121 Digital Systems 1	3
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ESET 251 Electronics	4
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Met 140 Engineering Materials	3
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PATHWAY TAB INFORMATION

Course Name	Postsecondary Institution	Credit Type	Hours
MET 111 Manufacturing Processes 1	Cincinnati State Technical and Community College	CTAG	3
PSET 110 Power Systems CAD	Cincinnati State Technical and Community College	Bilateral	3
EET 131 Circuit Analysis 1	Cincinnati State Technical and Community College	CTAG	3