

# Cincinnati State Technical and Community College

## Mechanical Engineering Technology-Design

AAS

REQUIRED COURSES:	Semester Hours
<b>Semester One</b>	
MET 100 Introduction to Mechanical Engineering Technology	2
MET 111 Manufacturing Processes 1	3
MET 131 MET Computer-Aided Drafting 1	3
ENG 101 English Composition 1	3
FYE 1XX First Year Experience Elective	1
MATXXX Mathematics Elective 1	4

<b>Semester Two</b>	
MET 132 MET Computer- Aided Drafting 2	3
MET 140 Engineering Materials	3
MET 150 Statics and Strength of Materials for MET	3
ENG 10X English Composition Elective	3
MAT XXX Mathematics Elective 2	3

<b>Semester Three</b>	
MET 291 Full-Time Cooperative Education 1: Mechanical Engineering Technology 1	2

<b>Semester Four</b>	
MET 240 Hydraulics and Pneumatics	3
MET 250 Machine Design	4
MET 285 Mechanical Engineering Technology: Capstone Project 1	3
PHY 151 Physics 1: Algebra and Trigonometry-Based	4

<b>Semester Five</b>	
MET 260 Applied Thermodynamics	3
MET 270 Kinematics	3
MET 290 Mechanical Engineering Technology Capstone Project 2	3
EET 101 Electronics Fundamentals	3
XXX Arts/Humanities or Social/Behavioral Science Elective	3

<b>Semester Six</b>	
MET 292 Full-time Cooperative Education 2: Mechanical Engineering Technology	2

<b>ELECTIVES</b>	
<b>First Year Experience Electives</b>	
FYE100 College Survival Skills	1
FYE 105 College Success Strategies	2

FYE 110 Community College Experience	3
<b>English Composition Electives</b>	
ENG 102 English Composition 2: Contemporary Issues	3
ENG 103 English Composition 2: Writing and Literature	3
ENG 104 English Composition 2: Technical Communication	3
ENG 105 English Composition 2: Business Communication	3
<b>Mathematics Electives (take one of following series)</b>	
MAT 125 Algebra and Trigonometry & MAT 126 Functions and Calculus or	3
MAT 251 Calculus 1 and MAT 252 Calculus 2	3
<b>Arts/Humanities Elective</b>	
Any ART, CULT, FRN, LIT, MUS, PHI, REL, SPIN, THE or COMM130	

### PATHWAY TAB INFORMATION

Course Name	Postsecondary Institution	Credit Type	Hours
MET 111 Manufacturing Processes	Cincinnati State Technical and Community College	CTAG	3
MET 131 MET Computer-Aided Drafting 1	Cincinnati State Technical and Community College	CTAG	3
MET 132 MET Computer-Aided Drafting 2	Cincinnati State Technical and Community College	Bilateral	3
EET 101 Electronic Fundamentals	Cincinnati State Technical and Community College	Bilateral	3