Mechanical Engineering Technology - Design Major

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	Prerequisities	Lec	Lab	Credit Hours
Semester 1					
ENG-101	English Composition 1		3	0	3
MAT-XXX	Mathematics Elective 1		3	2	4
MET-100	Intro to Mechanical Engineering Technology		1	2	2
MET-111	Manufacturing Processes 1		2	3	3
MET-131	MET Computer Aided Drafting 1		2	3	3
PSY-100	Applied Psychology: Human Relations		3	0	3
					18
Semester 2					
ENG-10X	English Composition Elective	ENG 101	3	0	3
MAT-XXX	Mathematics Elective 2		3	2	4
MET-132	MET Computer Aided Drafting 2	MET 131	2	3	3
MET-140	Engineering Materials	MET 111, & MAT 121 or MAT 125	2	2	3
MET-150	Statics & Strength of Materials for MET	MAT 121 or MAT 125	2	3	3
					16
Semester 3					
MET-291	Full-Time Cooperative Education 1: MET	MET 100	1	40	2
					2
Semester 4					
EET-101	Electronic Fundamentals 1	See Catalog	2	3	3
MET-240	Hydraulics & Pneumatics	MET 150	2	3	3
MET-250	Machine Design	MET 150	3	3	4
MET-285	MET Capstone Project 1	See Catalog	2	3	3
PHY-151	Physics 1: Algebra & Trigonometry-Based	PHY 150 or MAT 125	3	2	4
					17
Semester 5					
COMM-110	Public Speaking	ENG 101	3	0	3
XXX-XXX	Humanities Elective	ENG 101	3	0	3
MET-260	Applied Thermodynamics	MET 150, & MAT 121 or MAT 125	2	2	3
MET-270	Kinematics	MET 250	2	2	3
MET-290	MET Capstone Project 2	MET 285	2	3	3
					15
Semester 6					
MET-292	Full-Time Cooperative Education 2: MET	MET 291	1	40	2
					2
				Total	**70**

English Comp. Elective: ENG 102, ENG 104, ENG 105

Humanities Elective: Choose from CULT 105, CULT 110, PHI 110

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