

Mechanical Engineering Technology - Manufacturing Major

Center for Innovative Technologies Division

2018-2019 Curriculum

Course	Title	Prerequisites	Lec	Lab	Credit Hours
Semester 1					
ENG-101	English Composition 1		3	0	3
FYE-1XX	First Year Experience Elective		1	0	1
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
					16

Semester 2					
MAT-XXX	Mathematics Elective 2		3	2	4
MET-112	Manufacturing Processes 2	MET 111, & MAT 121 or MAT 125	2	3	3
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
ENG-10X	English Composition Elective	ENG 101	3	0	3
MET-113	Manufacturing Processes 3	MET 112	2	3	3
MET-240	Hydraulics & Pneumatics	MET 150	2	3	3
MET-285	MET Capstone Project 1	See Catalog	2	3	3
					15

Semester 5					
MET-230	Quality Control & Six Sigma	MET 150	3	2	4
MET-290	MET Capstone Project 2	MET 285	2	3	3
PHY-151	Physics 1: Algebra & Trigonometry-Based	PHY 150 or MAT 125	3	3	4
XXX-XXX	Arts/Humanities or Social/Science Elective	ENG 101	3	0	3
					14

Semester 6					
MET-292	Full-Time Cooperative Education 2: MET	MET 291	1	40	2
					2

Total **65**

Arts/Humanities/Social/Science Elective: Choose from CULT, ECO, GEO, HST, LBR, PHI, POL, PSY, SOC

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

First Year Experience: FYE 100, FYE 105, FYE 110

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