

PROGRAM PLANNING GUIDE

**MECHANICAL ENGINEERING TECHNOLOGY
A40320**

Replaces Curriculum Schedule with Revision Date: FA2017

Date Revised: FA2018

CURRICULUM BY SEMESTER								
Course No.			Course Title			Hours Per Week		
						Class	Lab	Credits
Fall Semester 1								
DFT	151	CAD I	2	3	3			
EGR	115	Introduction to Technology	2	3	3			
MEC	161	Manufacturing Processes I	3	0	3			
ENG	111	Writing and Inquiry	3	0	3			
MAT	121	Algebra/Trigonometry I	2	2	3			
Spring Semester 1								
DFT	152	CAD II	2	3	3			
DFT	153	CAD III	2	3	3			
MEC	130	Mechanisms	2	2	3			
ENG	114	Professional Research & Reporting	3	0	3			
PHY	131	Physics-Mechanics	3	2	4			
Summer Semester 1								
TDP	110	Introduction to 3-D Printing	2	3	3			
PSY	118	Interpersonal Psychology	3	0	3			
Fall Semester 2								
DFT	154	Intro in Solid Modeling	2	3	3			
EGR	251	Statics	2	2	3			
MEC	180	Manufacturing Materials	2	3	3			
MEC	265	Fluid Mechanics	2	2	3			
		Major Electives Group 1	-	-	3			
Completes requirements for Mechanical Design Certificate: C40320B								
Completes requirements for Materials Engineering Certificate: C40320D								
Completes requirements for Additive Manufacturing Certificate: C40320G								
Completes requirements for Mechanical Drafting Certificate: C40320H								
Completes requirements for Mechatronics Certificate: C40320I								
Spring Semester 2								
EGR	252	Strength of Materials	2	2	3			
EGR	285	Design Project	0	4	2			
ISC	121	Environmental Health & Safety	3	0	3			
MEC	267	Thermal Systems	2	2	3			
HUM	110	Technology and Society	3	0	3			
Completes requirements for Thermal Mechanics Certificate: C40320C								
Graduation Requirement Credit Hours:					66			

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MAJOR ELECTIVES					
			Hours Per Week		
Course No.		Course Title	Class	Lab	Credits
Major Electives		Credit Hours Needed:	3		
ARC	225	Architectural BIM I	1	3	2
ARC	225A	Architectural BIM I Lab	0	3	1
CEG	111	Introduction to Gis and Gnss	2	4	4
ELC	128	Intro to PLC	2	3	3
WBL	111	Work-Based Learning I	0	10	1
WBL	112	Work-Based Learning I	0	20	2