

PROGRAM PLANNING GUIDE

MECHANICAL ENGINEERING TECHNOLOGY C40320K: Mechanical Analysis and Design

Replaces Curriculum Schedule with Revision Date: FA2024

Date Revised: FA2025

CURRICULUM BY SEMESTER

					Hours Per Week		Credits	Semesters Offered
Course No.	Course Title	Pre-Requisites	Co-Requisites	Class	Lab			
Summer Semester								
		Math Elective	See Below				3	

Fall Semester								
EGR	251	Statics	MAT-121, MAT-171, or MAT-271	None	2	2	3	FA, SP
ELN	260	Prog Logic Controllers	None	None	3	3	4	FA, SP
HYD	180	Fluid Power in Automation	MAT 121, MAT 171, or MAT 271	HYD 191A	2	3	3	FA
HYD	191A	Selected Topics in Fluid Power Lab	None	HYD 180	0	2	1	FA

Spring Semester								
EGR	285	Design Project	EGR 251 or ELN 260 or HYD-180	None	0	4	2	SP, SU

Graduation Requirement Credit Hours: 16

MATH ELECTIVES

					Hours Per Week		Credits	Semesters Offered
Course No.	Course Title			Class	Lab			
Major Electives		Credit Hours Needed: 3						
MAT	121	Algebra/Trigonometry I	MAT 003, MAT 021, MAT 035, or MAT 045A (If required)	None	2	2	3	FA, SP, SU
MAT	171	Precalculus Algebra (University Transfer)	ENG 002 or ENG 025 (If required) MAT 003, MAT 035, MAT 071, or MAT 045P (If required)	None	3	2	4	FA, SP, SU