PROGRAM PLANNING GUIDE

MECHANICAL ENGINEERING TECHNOLOGY C40320K: Mechanical Analysis and Design

Replaces Curriculum Schedule with Revision Date: FA2024 Date Revised: FA2025

Replaces Curriculum Schedule with Revision Date: FA2024				Date Revised: FA2025				
		CURRICULUM BY SEMESTER						
					Hours Per Week		Semesters	
ırse No.	Course Title	Pre-Requisites	Co-Requisites	Class	Lab	Credits	Offered	
ner Semes	ter							
	Math Elective	See Below				3		
-	•	•	•	-			-	
emester								
251	Statics	MAT-121, MAT-171, or MAT-271	None	2	2	3	FA, SP	
260	Prog Logic Controllers	None	None	3	3	4	FA, SP	
180	Fluid Power in Automation	MAT 121, MAT 171, or MAT 271	HYD 191A	2	3	3	FA	
191A	Selected Topics in Fluid Power Lab	None	HYD 180	0	2	1	FA	
	•	·						
g Semeste	r							
285	Design Project	EGR 251 or ELN 260 or HYD-180	None	0	4	2	SP, SU	
	emester 251 260 180 191A	mer Semester Math Elective Emester 251 Statics 260 Prog Logic Controllers 180 Fluid Power in Automation 191A Selected Topics in Fluid Power Lab	CURRICULUM BY SEMESTER Irrse No. Course Title Pre-Requisites Inter Semester Math Elective See Below Emester 251 Statics MAT-121, MAT-171, or MAT-271 260 Prog Logic Controllers None 180 Fluid Power in Automation MAT 121, MAT 171, or MAT 271 191A Selected Topics in Fluid Power Lab Semester	CURRICULUM BY SEMESTER Irse No. Course Title Pre-Requisites Co-Requisites Irse Semester Math Elective See Below Emester 251 Statics MAT-121, MAT-171, or MAT-271 None 260 Prog Logic Controllers None None 180 Fluid Power in Automation MAT 121, MAT 171, or MAT 271 HYD 191A 191A Selected Topics in Fluid Power Lab None HYD 180	CURRICULUM BY SEMESTER Hours P Irse No. Course Title Pre-Requisites Co-Requisites Class Per Semester Math Elective See Below Presenter 251 Statics MAT-121, MAT-171, or MAT-271 None 2 260 Prog Logic Controllers None None 3 180 Fluid Power in Automation MAT 121, MAT 171, or MAT 271 HYD 191A 2 191A Selected Topics in Fluid Power Lab None HYD 180 0	CURRICULUM BY SEMESTER Hours Per Week Irse No. Course Title Pre-Requisites Co-Requisites Class Lab Iter Semester Math Elective See Below MAT-121, MAT-171, or MAT-271 None 2 2 260 Prog Logic Controllers None None 3 3 180 Fluid Power in Automation MAT 121, MAT 171, or MAT 271 HYD 191A 2 3 191A Selected Topics in Fluid Power Lab None HYD 180 0 2	CURRICULUM BY SEMESTER Hours Per Week Irse No. Course Title Pre-Requisites Co-Requisites Class Lab Credits Item Semester Math Elective See Below 3 Semester 251 Statics MAT-121, MAT-171, or MAT-271 None 2 2 3 260 Prog Logic Controllers None None 3 3 4 180 Fluid Power in Automation MAT 121, MAT 171, or MAT 271 HYD 191A 2 3 191A Selected Topics in Fluid Power Lab None HYD 180 0 2 1	

Graduation Requirement Credit Hours: 16

MATH ELECTIVES											
					Hours Per Week			Semesters			
Cou	ırse No.	Course Title			Class	Lab	Credits	Offered			
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			