

Mechanical Engineering - 20-21 - Pre- and Co- Requisites List Required Courses

Course	Number	Title	Pre-requisite	Pre-requisite	Pre-requisite	Co-Requisite
EENG	3308	Programmin Language for Design				
EENG	3301	EE Circuits, Systems, and Applications				
ENGR	2301	Mechanics - Statics	PHYS 2325 => C	PHYS 2125 => C	MATH 2414 (Calculus II)	
ENGR	2302	Dynamics	ENGR 2301 => C			
MENG	1301	Engineering Graphics and Design	SAT or ACT or MATH 1314 or equivalent			
MENG	3210	Exp. Measurements and Techniques	ENGR 2302 => C	Phys 2326 => C	PHYS 2126 => C	
			EENG 3308 => C			
MENG	3211	Thermal-Fluids Lab	MENG 3210	MENG 3401	MENG/CENG 3310	
MENG	3303	Dynamics of Machinery	EENG 3308 => C	ENGR 2302 => C		
MENG	3306	Mechanics of Materials	ENGR 2301 => C			
MENG	3309	Mechanical Systems Design	MENG 3303	MENG 3319	MENG 3306 =>C	
MENG	3310	Fluid Mechanics	ENGR 2302 => C	MATH 3305 => C		MATH 3404 => C
MENG	3316	Heat Transfer	MENG 3401	MENG 3310		
MENG	3319	Materials and Manufacturing	CHEM 1311 => C	CHEM 1111 => C	MENG 1301 => C	
MENG	3401	Thermodynamics	ENGR 2302 => C	EENG 3308 => C	Phys 2325 + 2125 => C	
MENG	4215	Senior Design I	EENG 3301	MENG 3309	MENG 3316	
			MENG 3211	SPCM 1315		
MENG	4216	Senior Design II	MENG 4215	MENG 4312	MATH 3203	MENG 4326
MENG	4312	System dynamics and Control	EENG 3301	MENG 3309	MENG 3211	
			MENG 3316			
MENG	4326	FEA	MENG 3401			MENG 3309