

BS Mechanical Engineering Technology (MCET)

Course	Course Title	Pre-Requisite (Course #)	Co-Requisite (Course #)	Rotation (odd/even/every year(s))		
				Fall	Spring	Summer
ENGR 1201	Introduction to Engineering	MATH 1314		Every	Every	
ENGR 1312	Engineering Graphics	MATH 1314		Every	Every	
ENGR 2325	Statics	PHYS 2425, MATH 2414	MATH 2414	Every	Every	Every
ENGR 2326	Dynamics	ENGR 2325		Every	Every	Every
ENGR 3316	Thermodynamics	PHYS 2425, MATH 2414		Every	Every	Every
ENGR 3322	Materials Science	CHEM 1411, PHYS 2425		Every	Every	Every
ENTC 2414	Circuit Analysis I	MATH 2413, PHYS 2426		Every	Every	Every
ENTC 3220	Thermal / Fluids Laboratory	ENTC 3306, ENGR 3316	ENGR 3316		Every	
ENTC 3302	Manufacturing Processes	ENGR 1312, ENGR 3322	SMTE 0099	Every	Every	
ENTC 3306	Fluid Mechanics	ENGR 2326		Every	Every	Every
ENTC 3308	Strength of Materials	ENGR 2325, ENGR 3322		Every	Every	Every
ENTC 3455	Solid Modeling and Finite Elements	ENTC 3308			Every	
ENTC 4210	Solid Mechanics Laboratory	ENTC 4330	ENTC 4330	Every	Every	

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ENTC 4320	Heat Transfer	ENTC 3306, ENGR 3316		Every	Every	Every
ENTC 4330	Design of Machine Elements	ENTC 3308		Every	Every	
ENTC 4350	Capstone Project	ENTC 4415		Every	Every	
ENTC 4360	Mechanical Systems Design	ENTC 4330		Every	Every	
ENTC 4415	Project Justification and Management		SMTE 0099	Every	Every	
ENTC 4446	Control Systems I	ENTC 2414			Every	