

Course		Prerequisites		
SUBJECT	Number	Course Title	courses designated with a * must be completed with a "C" or better	Co-requisites
MECH	1305*	Graphic & Design Fundamentals	none	none
MECH	1321*	Mechanics I-Statics	MATH 1411*	none
MECH	2131*	Manufacturing Engineering Lab	MECH 1305*	none
MECH	2311*	Intro to Thermal-Fluid Science	MATH 1312*	none
MECH	2322*	Mechanics of Materials	MECH 1321*	none
MECH	2331*	Materials & Manufacturing Processes	CHEM 1305*	none
MECH	2340*	Mechanics II - Dynamics	MECH 1321*	none
MECH	2342*	Electro Mechanical Systems	MATH 1312*	none
MECH	2351*	Engineering Analysis I	MATH 1312*	none
MECH	3312	Thermodynamics	MECH 2311*	none
MECH	3313	Thermo-Fluids Lab	MECH 2311*	none
MECH	3314	Fluid Mechanics	MECH 2311*	none
MECH	3323	Solid Mechanics Lab	MECH 2322*	none
MECH	3334	Mechanical Design	MECH 2322* & MECH 2331*	none
MECH	3345	System Dynamics	MECH 2340* and MECH 2342*	none
MECH	3352	Engineering Analysis II	MECH 2351*	none
MECH	4315	Heat Transfer	MECH 3312 and MECH 3314	none
MECH	4316	Thermal System Design	MECH 4315	none
MECH	4326	Finite Element Analysis	MECH 2351* and MECH 3334	none
MECH	4336	Principles of Engineering Design	MECH 3334	none
MECH	4346	Mechatronics	MECH 3345	none
MECH	4366	Senior Design Project	MECH 4336 & Must be in the final semester and a 2.0 major GPA	none
MECH	4355	Gas Dynamics	Junior or Senior standing in Engineering	none
MECH	4368	Environmental Control Engineering	Junior or Senior standing in Engineering	none
MECH	4371	Engineering Problems Seminar	Senior standing in Engineering	none
MECH	4395	Special Topics in Mech. Engr.	Senior standing in Engineering	none