

Course		Course Title	Prerequisites; courses designated with a * must be completed with a "C" or better, "+" might be taken concurrently	Co-requisites
SUBJECT	Number			
MECH	1305*	Graphic & Design Fundamentals	none	none
MECH	1321* ^a	Mechanics I-Statics	MATH 1411* & PHYS 2420*	none
MECH	2103*	Engineering Computations	MATH 1312*	none
MECH	2131*	Manufacturing Laboratory	MECH 1305*	none
MECH	2132*	Additive Manufacturing Laboratory	CHEM 1305*	none
MECH	2133*	Metal Casting Laboratory	CHEM 1305*	none
MECH	2134*	Intelligent Manufacturing	MECH 1305*	none
MECH	2311*	Intro to Thermal-Fluid Science	MATH 1312*	none
MECH	2322* ^b	Mechanics of Materials	MECH 1321*	none
MECH	2331*	Materials & Manufacturing Processes	CHEM 1305*	none
MECH	2340*	Mechanics II - Dynamics	MECH 1321*	none
MECH	2342* ^c	Electro Mechanical Systems	MATH 1312*	none
MECH	3103	Mechatronics Lab	MECH 2342*	none
MECH	3113	Thermo-Fluid Lab	MECH 2311*	none
MECH	3123	Solid Mechanics Lab	MECH 2322*	none
MECH	3312	Thermodynamics	MECH 2311*	none
MECH	3314	Fluid Mechanics	MECH 2311*	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	MATH 2326*	none
MECH	4315	Heat Transfer	MECH 3312 and MECH 3314	none
MECH	4316	Thermal Fluid System Design	MECH 4315	none
MECH	4326	Finite Element Analysis	MECH 3334 & MECH 3352	none
MECH	4328	Intro to LABVIEW	MECH 3352*	none
MECH	4330	Dynamic Systems Stimulation	MECH 3345 & MECH 3352	none
MECH	4332	Mechanical Computational Applications in Vision and Robotics	MECH 3345	none
MECH	4334	Mechanical System Control	MECH 3345	none
MECH	4336	Principles of Engineering Desig	MECH 3334	none
MECH	4345	Communications and Mechanical Sensor Protocols	MECH 3345	none
MECH	4346	Mechatronics	MECH 3345	none
MECH	4366	Senior Design Project	CE 2326* and MECH 3334 Must be in the final semester, major GPA at least 2.0	none
MECH	4392	Special Topics in Computation	Restricted to SR	none
MECH	4393	Special Topics in Electro-Mechanical	MECH 3345 Restricted to SR	none
MECH	4394	Special Topics in Thermal Fluid Area	MECH 3312 Restricted to SR	none
MECH	4395	Special Topics in Solid Mechanics Area	MECH 3334 Restricted to SR	none
a -- CE 2315 is an equivalent course.				
b -- CE 2334 is an equivalent course.				
c -- EE 2350 is an equivalent course.				