

Tentative Spring 2024 Technical Electives: Updated 10/13/23

Catalog #	Title	Pre-Requisites	Instructor	Schedule	
AE 5361	Flight Dynamics-Stability & Control	AE 3361	Paul	TTh 9:30-10:45 AM	
AE 5535	Aerospace Propulsion Systems	AE 4535	Riggins	MWF 11:00-11:50 AM	
AE 5614	Spaceflight Mechanics	AE 3613	Pernicka	TTh 12:30-1:45 PM	
ME/AE 5001	Machine Learning Manufacturing	ME 4479 or AE 3361; Cmp Sci 1972	Krishnamurthy	MWF 10:00-10:50 AM	D
ME/AE 5282	Intro to Composite Materials & Structures	CE 2210	Chandrashekhara	TTh 9:30-10:45 AM	D
ME/AE 5449	Robotic Manipulators and Mechanisms	Cmp Sci 1570/1970/1972/1981 & ME 3313	Bristow	MWF 8:00-8:50 AM	
ME/AE 5478	Mechatronics	ME 4479	Song	MWF 2:00-2:50 PM	
ME/AE 5760	Probabilistic Engineering Design	ME 3708 or AE 3361	Du	TTh 2:00-3:15 PM	
ME/AE 5830	Applied Computational Methods	Cmp Sci 1570/1970/1972/1981 & Math 3304	Hosder	TTh 11:00 AM-12:15 PM	D
ME 3653	Manufacturing	ME 2653, CE 2211, & 'C' or better in CE 2210	Okafor (101)	MWF 1:00-1:50 PM	
ME 5537	Fuel Cell Principles	ME 3521	Koylu	TTh 11:00 AM-12:15 PM	
ME 5543	Energy Efficiency of Vehicles	Math 2222 & Phys 2135	Carroll	MWF 10:00-10:50 AM	D
ME 5575	Mechanical Systems for Environmental Control	ME 3521 & ME 3525	Williams	M 4:00-6:30 PM	D
ME 5653	CNC of Manufacturing Processes	Acc/prec by Mech Eng 3653	Okafor	MW 11:00-11:50 AM (lec)	
ME 5656	Design for Manufacture	ME 3708 & ME 3653	Appelman	Th 7:00-9:30 PM	
ME 5704	Compliant Mechanisms Design	ME 3313 & CE 2210	Midha	MWF 10:00-10:50 AM	D
ME 5708	Rapid Product Design and Optimization	ME 3708	Mclain	TTh 9:30-10:45am	
ME 5708	Rapid Product Design and Optimization	ME 3708	Boillat	MWF 2:00-2:50 PM	
AE/ME 6001	Advanced CFD	ME/AE 5131, ME/AE 5139	Homan	MWF 2:00-2:50 PM	
ME/AE 6131	Gas Dynamics I	ME/AE 5131	Han	M 4:00-6:30 PM	D
ME/AE 6212	Advanced Finite Element Analysis	ME/AE 5212	Chandrashekhara	TTh 11:00 AM-12:15 PM	D
ME/AE 6307	Advanced Vibrations	ME/AE 5307	Stutts	MWF 1:00-1:50 PM	
ME/AE 6657	Laser Aided Manufacturing & Materials Processing	ME 5525	Park	M 4:00-6:30 PM	
ME 6230	Theory and Design of Plates and Shell Structures	Math 5325	Birman	W 4:00-6:30 PM	D
ME 6659	Advanced Topics in Design & Manufacturing	ME 5655 or ME 5708	Liou	TTh 2:00-3:15 PM	D
ME 6663	Advanced Digital Design & Manufacturing	ME 5708 or ME 5757 or ME 5763	Leu	TTh 9:30-10:45 AM	D