

School	Course Number	Title	Summer 2022	Fall 2022	Summer 2023	Summer 2024	Fall 2024	Spring 2024	Summer 2025	Fall 2025	Spring 2025
MSE	1111	Intro to MSE		X			X			X	
COE	2001	Statics	X	X	X		X	X		X	X
MSE	2001	Princ Appl-Engr-Mat (Majors Only)		X	X		X	X		X	X
MSE	2021	Materials Characterization		X	X		X	X		X	X
MSE	2021	Materials Characterization- Lab		X	X		X	X		X	X
MSE	2021	Materials Characterization- Lab		X	X		X	X		X	X
MSE	2021	Materials Characterization- Lab		X	X		X	X		X	X
MSE	2021	Materials Characterization- Lab		X	X		X	X		X	X
MSE	2021	Materials Characterization- Lab		X	X		X	X		X	X
MSE	2699	Undergraduate Research Scholars		X			X			X	
MSE	3001	Chemical Thermodynamics of Materials		X	X		X	X		X	X
MSE	3002	Structural Transformations-Metallic, Ceramic & Polymeric Systems		X	X		X	X		X	X
MSE	3013	Electrical, Optical & Magnetic Properties		X	X		X	X		X	X
MSE	3021	Materials Lab I (Properties)		X			X			X	
MSE	3021	Materials Lab I (Properties)		X			X			X	
MSE	3021	Materials Lab I (Properties)		X			X			X	
MSE	3021	Materials Lab I (Properties)		X			X			X	
MSE	3021	Materials Lab I (Properties)		X			X			X	
MSE	3025	Statistics & Numerical Methods in MSE		X			X			X	X
MSE	3210	Transport Phenomena		X	X		X	X		X	X
MSE	3225	Rheology		X	X		X			X	
MSE	3230	Polymer & Fiber Processing		X			X			X	
MSE	4002	Ceramic Mats-Properties,Processing & App		X			X			X	
MSE	4004	Materials in Electronic Applications		X			X			X	
MSE	4006	Processing & Applications-Engr Alloys		X	X		X	X		X	X
MSE	4010	Environmental Degradation		X			X			X	
MSE	4022	Materials Lab II (Processing)		X			X			X	
MSE	4105	Deformation and Fracture of Materials		X	X		X	X		X	X
MSE	4140	Polymer Physics		X			X			X	
MSE	4330	Fundamentals of Nanomf & Nanostructures		X			X	X		X	
MSE	4335	Soft Nsm & Bio Materials		X	X		X	X		X	X
MSE	4410	Captstone Engr Design I		X			X			X	
MSE	4420	Captstone Engr Design II Lecture		X			X			X	
MSE	4420	Captstone Engr Design II Lab		X			X			X	
ME/MSE	4710	Foundations in Machine Learning for Engineers		X	X		X	X		X	X
MSE	4723	Interdisciplinary Captstone Design		X	X		X	X		X	X
BIOS/MSE	4740	Biologically Inspired Design		X			X			X	
MSE/BMEI	4751	Intro to Biomaterials		X	X		X	X		X	X
ECE/ME/ MSE	4754	Electronics Packaging Assembly, Reliability, Thermal Management & Test		X			X			X	
ECE/MSE	4755	Electronic Packaging Substrate Fabrication		X			X			X	
ChBE/ME/ MSE	4759	Electrochemical Energy Storage Conversion		X	X		X	X		X	X
ME/MSE	4766	Fabrication & Properties-Nanoscale Devices		X			X			X	
SE/ME/CH	4775	Polymer Science & Engr I		X	X		X	X		X	X
ME/MSE	4790	Materials Selection & Design		X			X			X	
AE/CEE/C HBE/ME/ MSE	4791	Mechanical Behavior-Composites		X			X			X	
AE/CEE/C HBE/ME/ MSE	4793	Composite Materials & Process	X		X		X			X	X
MSE	4803 ER	Electroanalytic Chemistry Erin Ratcliff		X			X			X	
MSE	6010	Fundamentals of Func Materials		X			X			X	
MSE	6110	Trans Electron Microscopy		X			X	X		X	X
MSE	6140	Surface Analysis		X			X	X		X	X
MSE	6140	Computational Mat Sci Engr		X			X			X	
MSE	6334	Materials for Energy Storage & Conversion		X			X			X	
MSE	6402	Crystallography,Structure & Defects		X			X			X	
MSE	6403	Kinetics of Phase Transformations		X			X			X	
MSE	6404	Scattering Theory		X			X			X	
MSE	6405	Advanced Nanomaterials		X			X			X	
MSE	6408	Quantum Mechanics for MSE		X			X			X	
MSE	6409	Fundamentals of Corrosion		X			X			X	
MSE	6411	Thermodynamics of Materials		X			X			X	
MSE	6510	Polymers for Electronic and Photonic Applications		X			X			X	
MSE	6600	Advanced Polymer Processing		X			X			X	
CHEM/MSE	6750	Preparation & React of Polymers		X			X	X		X	X
MSE	6751	Phys Chem-Poly Solutions		X			X	X		X	X
MSE	6754	Engineering Communication		X			X			X	
MSE	6757	Advanced Polymer Chemistry		X			X			X	
CHE/ME	6768	Polymer Struc & Ply Props		X			X			X	
MSE	6775	Polymer Communication		X			X			X	
CHE/ME/MS	6776	Integrated Low-cost Microelectronics Systems Packaging		X			X			X	
DCHBE/ME/ MSE/ME	6777	Advanced Biomaterials		X			X			X	X
MSE/ME	6796	Structure-Property Relationship in Materials		X			X			X	
MSE	7140	Impedance & Dielectric Spectroscopy		X			X			X	
CHE/ME	7771	Mech-Polymer Solid & Fluids		X			X			X	
ME/MSE/ AE/CHBE	7772	Fund-Fracture Mechanics		X			X			X	
AE/CEE/C HE/ME	7774	Fatigue of Materials & Structures		X			X			X	X
MSE	8200	Advanced Presentation Skills		X	X		X	X		X	X
MSE	8801	MSE Seminar		X	X		X	X		X	X
MSE	8803	Density Functional Theory		X			X			X	
MSE	8803	Electrical Characterization of Semiconductor Materials & Devices(EMV)		X			X			X	
MSE	8803	Data Driven Experimental Design		X			X			X	
MSE	8803	Molecular dynamics simulation		X			X			X	
MSE	8803	Phase Transformations: Structural, magnetic, quantum, and their foundations (2026), Metastability and Metastable Materials (2025)		X			X			X	
MSE	8803	Optical and Photonic Materials		X			X			X	
MSE	8803	Quantum Computing & Quantum Materials		X			X			X	
MSE	8803	Practical Polymer Characterization		X			X			X	
MSE	8803	Process & App-Engr Alloys		X			X			X	
MSE	8803	Soft Nano/Bio Materials		X			X			X	