

## Course Planning Guide - DAYTON CAMPUS

Course Number	Course Title	Spring 2025	Summer 2025	Fall 2025	Spring 2026	Summer 2026	Fall 2026	Spring 2027	Summer 2027
ME 6010	Comp Meth for Mech Engr			X					
ME 6020	Data Science in MME								
ME 6080	Design Optimization								
ME 6120	Finite Element Analysis			X			X		
ME 6150	Mechanical Design II			X			X		
ME 6180	Additive Manufacturing		X						
ME 6190	Intro to EGR Lubrication								
ME 6210	Mechanical Vibration			X			X		
ME 6220	Mech Sys Model & Design								
ME 6240	Vehicle Engineering								
ME 6250	Kinematics & Design-Mech								
ME 6260	Intro Robotics								
ME 6330	Compressible Fluid Flow			X			X		
ME 6340	Comp Fluid Dynamics	X			X			X	
ME 6350	Mechanics Viscous Fluids						X		
ME 6360	Prn Intrl Combust Engine								
ME 6430	Aeronautics				X				
ME 6440	Aerospace Propulsion	X						X	
ME 6490	Aerospace Structures	X							
ME 6530	Energy Conversion						X		
ME 6540	Solar Thermal Engr.	X						X	
ME 6550	Geothermal Energy			X					
ME 6560	Wind Power				X				
ME 6570	Energy Materials			X			X		
ME 6580	Fuel Cell Sci and Tech				X				
ME 6700	Struc & Prop of Mat. II	X			X			X	
ME 6720	Engineering Polymers			X			X		
ME 6730	Engineering Ceramics			X			X		
ME 6740	Material Selection & Failure Analysis	X			X			X	
ME 6750	Matrls Characterization	X			X			X	
ME 6770	Mech Behavior of Metals			X			X		
ME 6820	Corrosion						X		
ME 6830	Comp Materials Science								
ME 6840	Mat Sel for Mech Design								
ME 6850	Nano-scale Science & Egr								
ME 6860	Metal Forming	X						X	
ME 6880	Powder Process Materials	X						X	
ME 7060	Structural Reliability				X				
ME 7080	Multidisc Strctrl Optm	X						X	

