

Department of Mechanical and Aerospace Engineering
Graduate Five Year Projected Offerings
2014-2018

SUB	CRS	TITLE	14S	14M	14F	15S	15M	15F	16S	16M	16F	17S	17M	17F	18S	18M	18F
MAE	520	Compressible Aerodynamics	X	X		X	X		X	X		X	X		X	X	
MAE	530	Fundamentals of Aerodynamics		X	X		X	X		X	X		X	X		X	X
MAE	531	Introduction to Plasma Dynamics	Offered on demand														
MAE	540	Rocket Propulsion I		X	X			X		X	X			X		X	X
MAE	541	Airbreathing Propulsion			X		X	X			X		X	X			X
MAE	542	Internal Combustion Engines	Offered on demand														
MAE	544	Introduction to Electric Propulsion	X						X						X		
MAE	545	Heat Distribution System Design	Offered on demand														
MAE	546	Solar Energy Systems	Offered on demand														
MAE	548	Energy Conversion and Power Generation	Offered on demand														
MAE	561	Vibrations of Elastic Systems						X						X			
MAE	563	Intermediate Dynamics			X						X						X
MAE	568	Elements of Spacecraft Design	X	X		X			X	X		X			X	X	
MAE	574	Applied Mechanics of Solids	X			X			X			X			X		
MAE	576	Mechanics and Fabrication of Composite Materials	Offered on demand														
MAE	577	Experimental Techniques in Solid Mechanics	Offered on demand														
MAE	580	Aircraft Stability and Control	X			X	X		X		X	X		X	X		X
MAE	585	Numerical Methods and Computation III						X						X			
MAE	589	Computer-Aided Engineering	X		X	X		X	X		X	X		X	X		X
MAE	593	Rocket Design				X			X			X			X		
MAE	594	Aircraft Design				X			X			X			X		
MAE	595	Selected Topics in Mechanical and Aerospace Engineering	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MAE	623	Computational Fluid Dynamics I			X			X			X			X			X
MAE	631	Rotorcraft Design I	X			X			X			X			X		
MAE	632	Rotorcraft Design II	Offered on demand														
MAE	633	Tactical Missile Design I	Offered on demand														
MAE	634	Tactical Missile Design II	Offered on demand														
MAE	635	Aerospace Systems Engineering	Offered on demand														
MAE	639	System Safety	Offered on demand														
MAE	640	Rocket Propulsion II				X						X					
MAE	641	Advanced Thermodynamics			X			X			X			X			X
MAE	643	Advanced Heat and Mass Transfer			X						X						X
MAE	644	Advanced Solid Rocket Propulsion	X						X						X		
MAE	645	Combustion I						X						X			
MAE	647	Uncertainty Analysis in Experimentation	Offered on demand														
MAE	649	Transport Phenomena	Offered on demand														
MAE	651	Viscous Fluid Mechanics			X			X			X			X			X
MAE	657	Helicopter Theory	Offered on demand														
MAE	658	Rotordynamics	Offered on demand														
MAE	660	Structural Dynamics	X						X						X		
MAE	661	Advanced Dynamics	Offered on demand														
MAE	662	Nonlinear Dynamics and Chaos			X						X						X
MAE	663	Astrodynamics	Offered on demand														
MAE	671	Continuum Mechanics		X	X	X		X	X		X	X		X	X		X
MAE	672	Elasticity			X						X						X
MAE	673	Plasticity				X						X					

