

Academic Year			25-26			26-27			27-28			28-29			29-30		
500 Level Courses																	
SUB	CRS	TITLE	25F	26S	26M	26F	27S	27M	27F	28S	28M	28F	29S	29M	29F	30S	30M
MAE	540	Rocket Propulsion I	X			X		X	X			X		X	X		
MAE	541	Airbreathing Propulsion		X	X		X			X	X		X			X	X
MAE	569	Introduction to Astrodynamics	X	X		X	X		X	X		X	X		X	X	
MAE	574	Applied Mechanics of Solids		X						X						X	
MAE	580	Aircraft Stability and Control	X	X		X	X		X	X		X	X		X	X	
600 Level Courses*																	
SUB	CRS	TITLE	25F	26S	26M	26F	27S	27M	27F	28S	28M	28F	29S	29M	29F	30S	30M
MAE	610	Aerodynamics	X			X			X			X			X		
MAE	620	Compressible Flow		X			X			X			X			X	
MAE	623	Computational Fluid Dynamics I	X			X			X			X			X		
MAE	640	Rocket Propulsion II					X						X				
MAE	641	Advanced Thermodynamics				X						X					
MAE	642	Introduction to Electric Propulsion		X			X			X			X			X	
MAE	643	Advanced Heat and Mass Transfer		X			X			X			X			X	
MAE	644	Advanced Solid Rocket Propulsion		X						X						X	
MAE	645	Combustion I	X						X						X		
MAE	651	Viscous Fluid Mechanics	X			X			X			X			X		
MAE	660	Structural Dynamics				X						X					
MAE	664	Robotics I	X			X			X			X			X		
MAE	665	Robotics II		X			X			X			X			X	
MAE	671	Continuum Mechanics	X			X			X			X			X		
MAE	672	Elasticity		X						X						X	
MAE	673	Plasticity					X						X				
MAE	674	Finite Element Analysis I					X						X				
MAE	675	Mechanical Metallurgy	X			X			X			X			X		
MAE	681	Missile Trajectory Analysis	X						X						X		
MAE	692	Graduate Engineering Analysis I	X			X			X			X			X		
MAE	693	Graduate Engineering Analysis II		X			X			X			X			X	
MAE	695	ST: Introduction to Nuclear Propulsion		X			X						X				
700 Level Courses*																	
SUB	CRS	TITLE	25F	26S	26M	26F	27S	27M	27F	28S	28M	28F	29S	29M	29F	30S	30M
MAE	723	Computational Fluid Dynamics II		X			X			X			X			X	
MAE	740	Aerothermodynamics		X			X			X			X			X	
MAE	745	Combustion II		X						X						X	
MAE	746	Convective Heat Transfer	X			X			X			X			X		
MAE	754	Hypersonic Flow	X			X			X			X			X		
MAE	758	Turbulence					X						X				
MAE	770	Experimental Techniques in Material Science		X			X			X			X			X	
MAE	778	Fracture Mechanics	X			X			X			X			X		
MAE	780	Theory of Acoustics							X						X		
MAE	795	ST: Intro to Fusion Propulsion		X						X						X	

*Offerings are subject to demand and may be modified.