

Academic Year			22-23		23-24			24-25			25-26			26-27			27-28		
500 Level Courses																			
SUB	CRS	TITLE	23S	23M	23F	24S	24M	24F	25S	25M	25F	26S	26M	26F	27S	27M	27F	28S	28M
MAE	540	Rocket Propulsion I		X	X			X		X	X			X		X	X		
MAE	541	Airbreathing Propulsion	X			X	X		X			X	X		X			X	X
MAE	563	Intermediate Dynamics						X						X					
MAE	568	Elements of Spacecraft Design	X		X	X		X	X		X	X		X	X		X	X	
MAE	574	Applied Mechanics of Solids						X						X					
MAE	575	Mechanical Metallurgy			X			X			X			X			X		
MAE	577	Experimental Techniques in Material Science	X			X			X			X			X			X	
MAE	580	Aircraft Stability and Control	X		X	X		X	X		X	X		X	X		X	X	
600 Level Courses																			
SUB	CRS	TITLE	23S	23M	23F	24S	24M	24F	25S	25M	25F	26S	26M	26F	27S	27M	27F	28S	28M
MAE	610	Aerodynamics			X			X			X			X			X		
MAE	620	Compressible Flow	X			X			X			X			X			X	
MAE	623	Computational Fluid Dynamics I			X			X			X			X			X		
MAE	640	Rocket Propulsion II	X						X						X				
MAE	641	Advanced Thermodynamics	X					X				X					X		
MAE	642	Introduction to Electric Propulsion	X			X			X			X			X			X	
MAE	643	Advanced Heat and Mass Transfer	X			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			X	
MAE	671	Continuum Mechanics			X			X			X			X			X		
MAE	672	Elasticity	X			X			X			X			X			X	
MAE	673	Plasticity			X						X						X		
MAE	674	Finite Element Analysis I			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			X	
MAE	695	ST: Introduction to Nuclear Propulsion	X						X						X				
700 Level Courses																			
SUB	CRS	TITLE	23S	23M	23F	24S	24M	24F	25S	25M	25F	26S	26M	26F	27S	27M	27F	28S	28M
MAE	723	Computational Fluid Dynamics II	X			X			X			X			X			X	
MAE	740	Aerothermodynamics				X			X			X			X			X	
MAE	745	Combustion II						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						X				
MAE	778	Fracture Mechanics						X						X					
MAE	780	Theory of Acoustics				X						X						X	
MAE	795	ST: Intro to Fusion Propulsion				X						X						X	