SUB	CRS	TITLE	09F	10S	10M	10F	115	11M	11F	12S	12M	12F	13S	13M	13F	148	14M	14F
MAE	100	Introduction to Mechanical and Aerospace Engineering	X	X	. •	Х	X		Х	X		X	X		Х	X		Х
MAE	110	Introduction to Engineering Computer Aided Design	Х	Х	Х	Х	Х	Х	Х	Х	Χ	Х	Χ	Χ	Χ	Χ	Х	Х
MAE	115	Introduction to Machining	Χ	Χ		Χ	Χ		Χ	Χ		Х	Χ		Χ	Χ		Х
MAE	200	Principles of Aeronautics and Astronautics	Х	Χ		Χ	Х		Χ	Χ		Χ	Χ		Χ	Χ		Х
MAE	271	Statics	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
MAE	272	Dynamics	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
MAE	285	Numerical Methods and Computation I	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
MAE	310	Fluid Mechanics I	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
MAE	311	Principles of Measurement and Instrumentation	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х
MAE	341	Thermodynamics I	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
MAE	342	Thermodynamics II	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
MAE	364	Kinematics and Dynamics of Machines		Χ	Χ	Χ	Х		Χ	Χ		Χ	Χ		Χ	Χ		Χ
MAE		Mechanics of Materials	Χ	Χ	Χ	Χ	Х	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Х
MAE	371	Aerospace Structures	Χ		Χ	Χ	Х		Χ	Χ		Χ	Χ		Χ	Χ		Χ
MAE		Materials and Manufacturing Processes	Χ	Χ	Χ	Χ	Х	Χ	Х	Χ	Χ	Χ	Х	Χ	Χ	Χ	Х	Х
MAE		Numerical Methods and Computation II	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
MAE	395	Selected Topics in Mechanical and Aerospace Engineering	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
MAE		Fluid Mechanics II	Χ		Χ	Χ		Χ	Χ		Χ	Χ		Χ	Χ		Χ	Χ
MAE		Fluid Mechanics Laboratory	Χ		Χ	Χ	Х		Χ	Χ		Χ	Χ		Χ	Χ		Χ
MAE	420	Compressible Aerodynamics		Χ	Χ		Х	Χ		Χ	Χ		Χ	Χ		Χ	Х	
MAE		Fundamentals of Aerodynamics	Х		Χ	Χ		Χ	X		Χ	Х		Χ	Χ		Χ	Χ
MAE		Introduction to Plasma Dynamics	Offered on demand															
MAE	440	Rocket Propulsion I	X		Χ	X			X		Χ	X			X		Χ	X
MAE		Airbreathing Propulsion	Х			Χ		Χ	X	اجا		X		Χ	Χ		ш	Χ
MAE		Internal Combustion Engines					1		Offe	ered or	n dem	and						
MAE		Introduction to Electric Propulsion		Χ					0"	Х						Χ	ш	<u> </u>
MAE		Heat Distribution System Design								ered or								
MAE		Solar Energy Systems	Offered on demand															
MAE		Energy Conversion and Power Generation	Offered on demand															
MAE		Introduction to Heat and Mass Transfer	Х	X		Χ	Х		Χ	Х		Х	Х		Χ	X	\vdash	Χ
MAE		Electric Propulsion		Х	.,					Х	.,					X	L.,	<u> </u>
MAE	455	Design of Thermal Systems		Χ	Χ		Х	Х		Χ	Χ		Х	Χ		Χ	Χ	<u> </u>
MAE	461	Vibrations of Elastic Systems	Х						Χ						Χ		\vdash	<u> </u>
MAE		Intermediate Dynamics				Χ						Х						Х
MAE	466	Mechanics and Design of Machine Elements	Χ		Χ	Χ		Χ	Χ		Χ	Х		Χ	Χ		Χ	Χ
MAE		Elements of Spacecraft Design	<u> </u>	Х	Χ		Х			Х	Χ		Х			Х	Χ	<u> </u>
MAE		Adv. Aerospace Structures and Materials	Х	X		Χ	X		Χ	Х		Х	X		Χ	Х	$\vdash \vdash$	Х
MAE	474	Applied Mechanics of Solids		Χ			Х			Х			Х			Χ	\vdash	<u> </u>
MAE		Mechanics and Fabrication of Composite Materials	V			V											\vdash	- V
MAE	477	Experimental Techniques in Solid Mechanics	Х	Х		Х	Х	Х	Х	Х		X			X	Х	\vdash	X
MAE MAE	480	Aircraft Stability and Control Numerical Methods and Computation III	-	^			٨	۸		۸		٨	Х		۸	۸	\vdash	_ ^
MAE	485 488		Х	Х	Х	Х	Х	Х	Х	Х	Χ	X	Х	Х	Χ	Х	Х	Х
MAE	489	Analysis of Engineering Systems	X	X	^	X	X	^	X	X	^	X	X	^	X	X	_^	X
MAE		Computer-Aided Engineering Introduction to Engineering Design	X	X	Х	X	X	Х	X	X	Χ	X	X	Х	X	X	Х	X
			X	X	^	X	X	^	X	X	٨	X	X	^	X	X	^	X
MAE	491	Mechanical Engineering Design ¹															$\vdash\vdash\vdash$	X
MAE	492	Aerospace Design 1	Х	Χ		Χ	Х		Χ	Х		Χ	Х		Χ	Х	\longmapsto	X
MAE	493	Rocket Design ^{1,2}	Χ				Х			Χ			Х			Χ	ш	Ь—
MAE	494	Aircraft Design ^{1,2}					Χ			Χ			Χ			Χ		<u></u>
MAE	495	Selected Topics in Mechanical and Aerospace Engineering	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Х	Χ
MAE		Independent Study in Mechanical and Aerospace Engineering	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
MAE	499	Undergraduate Thesis	X	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	X	Χ

¹ Either MAE 491, 492, 493 or 494 can be taken to fulfill the Senior Design requirement

²MAE 493 & 494 Require instructor permission and possibly additional pre-requisites.