

Subject	Course #	Crosslisted w/	Title	Prerequisites	Course is prerequisite for MAE ____	Quarter/s Usually Offered
MAE	2		Intro to Aerospace Eng.		155A	F
SE	2/L		Structural Materials	Chem 6A, Phys 2A	155A, SE 160A	S
MAE	3		Intro to Eng. Graphics and Design	Phys 2A (or 4A)	150	F, S
MAE	8		Matlab Programming for Eng. Analysis	Math 20A, Math 20B	107	F, W, S
MAE	101A		Intro Fluid Mechanics	Phys 2A, Math 20D, Math 20E	101B, 101C, 104, 113	F, W
MAE	101B		Advanced Fluid Mechanics	MAE 101A, MAE 110A	101C, 104, 113	W, S
MAE	101C		Heat Transfer	MAE 101A, MAE 101B, MAE 105	175A	F
MAE	104		Aerodynamics	MAE 101A, MAE 101B	142, 155A	F
MAE	105		Intro to Mathematical Physics	Phys 2A, Phys 2B, Math 20D	101C, 143A	F, S
MAE	107		Computational Methods in Engineering	MAE 8, Math 18 or 20F	150	F, S
MAE	110A		Thermodynamics	Phys 2C, CHEM 6A	101B, 113	F, W
MAE	113		Fundamentals of Propulsion	MAE 110A, MAE 101A, MAE 101B	155A (or concurrent), 155B	W
MAE	130A	SE 101A	Mechanics I: Statics	Math 20C, Phys 2A	130B, 131A, 150	F, W
MAE	130B	SE 101B	Mechanics II: Dynamics	MAE 130A	130C, SE 160A	W, S
MAE	130C	SE 101C	Mechanics III: Vibrations	Math 18 or 20F, MAE 130B	155A, SE 160B	F, W
MAE	131A		Solid Mechanics I	Math 20D, MAE 130A	SE 160A	F, S
MAE	140		Linear Circuits	Math 20D, Math 18 or 20F, Phys 2B	175A	F, W
MAE	142		Dynamics and Control of Aerospace Vehicles	MAE 104, MAE 143B	155A (or concurrent), 155B	W
MAE	143A		Signals and Systems	Math 20D, Math 20E, Math 18 or 20F, MAE 105	143B	W
MAE	143B		Linear Control	MAE 143A	142, 175A	S
MAE	150		Computer-Aided Design	MAE 3, MAE 107, MAE 130A	155A, 155B	F, W, S
MAE	155A		Aerospace Eng. Design I	MAE 2, SE 2/L, MAE 104, MAE 130C, SE 160B, MAE 113 (or concurrent), MAE 142 (or concurrent), MAE 150	155B	W
MAE	155B		Aerospace Eng. Design II	MAE 113, MAE 142, MAE 150, MAE 155A, MAE 170		S
SE	160A		Aerospace Structural Mechanics I	SE 2/L, MAE 130B, MAE 131A	SE 160B	W
SE	160B		Aerospace Structural Mechanics II	SE 160A, MAE 130C	155A	S
MAE	170		Experimental Techniques	Phys 2CL	155B, 175A	F, S
MAE	175A		Aerospace Eng. Lab I	MAE 101C, MAE 143B, MAE 170, MAE 140		W

**A grade of at least a C- is required in all prerequisites. All courses must be taken for a letter grade (no P/NP)**