

Subject	Course #	Title	Prerequisites	Course is prerequisite for MAE ____ :	Quarter/s Usually Offered
MAE	3	Intro to Eng. Graphics and Design	Phys 2A (or 4A)		F, S
MAE	8	Matlab Programming for Eng. Analysis	Math 20A, Math 20B	107	F, W, S
MAE	11 (prev. 110A)	Thermodynamics	Phys 2C, CHEM 6A	101B, 113	F, W
MAE	101A	Intro Fluid Mechanics	Phys 2A, Math 20D, Math 20E	101B, 101C, 119 (corequisite), 122, 126A	F, W
MAE	101B	Advanced Fluid Mechanics	MAE 11 (or 110A), MAE 101A	101C, 123	W, S
MAE	101C	Heat Transfer	MAE 101A, MAE 101B, MAE 105		F
MAE	105	Intro to Mathematical Physics	Phys 2A, Phys 2B, Math 20D	101C, 123	F, S
MAE	107	Computational Methods in Engineering	MAE 8, Math 18 (or 20F)	123	F, S
MAE	108	Probability and Statistical Methods for Mech. & Env. Engineering	Math 20C, Math 18 (or 20F)		S
MAE	119	Intro to Renewable Energy: Solar and Wind	MAE 101A (corequisite)		W
MAE	122	Flow and Transport in the Environment	MAE 101A	126A	F
MAE	123	Intro to Transport in Porous Media	MAE 105		W
MAE	126A	Environmental Eng. Lab	MAE 101A, MAE 122, MAE 170	126B	W
MAE	126B	Environmental Eng. Design	MAE 126A		S
MAE	130A	Mechanics I: Statics	Math 20C, Phys 2A		F, W
MAE	130B	Mechanics II: Dynamics	MAE 130A	130C, 156A	W, S
MAE	170	Experimental Techniques	PHYS 2C	126A	F, S
ESYS	101	Environmental Biology	Prerequisites waived for Env Eng majors. Contact ESYS Advising for clearance.		F
CENG	100	Process Modeling, and Computation in Chemical Engineering	CHEM 6B		F
CHEM	171	Environmental Chemistry	CHEM 6C		F

**All courses must be taken for a letter grade (no P/NP)**