

Materials Science & Engineering B.S. Major 2024-2025 (Engineering Calculus)

Pre-Major Status

First Year		Second Year		Third Year		Fourth Year	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
CHEM 1210 Chemistry I (4 credits)	CHEM 1220 Chemistry II (4 credits)	MSE 2010 Intro MSE (4 credits)	CHEM 2310 Org Chem (4 credits)	MSE 3410 Intro Polymers (3 credits)	MSE 5090 Communication (3 credit) CW	MET E 5450 Mech Behavior (3 credits)	MSE 5098 Senior Design (4 credits)
CHEM 1215 Chem Lab I (1 credit)	CHEM 1225 Chem Lab II (1 credit)	ME EN 2010 Statics (3 credits)	COMP 1010 Programming (3 credits)	MSE 3032 Thermo (4 credits)	MSE 3061 Transport (3 credits)	Tech Elective or Internship (3 credits)	MSE 5034 Kinetics (3 credit)
MATH 1310 Calc I (4 credits)	MATH 1320 Calc II (4 credits)	MATH 2250 ODEs/Lin Alg (4 credits)	MATH 3140 PDEs (4 credits)	MSE 3010 Mtls Processing (3 credits)	MSE 3310 Intro Ceramics (3 credits)	Tech Elective (2-3 credits)	Tech Elective (3 credits)
WRTG 1010 (3 credits)	WRTG 2010 (3 credits)	PHYS 2210 Physics I (4 credits)	PHYS 2220 Physics II (4 credits)	Gen Ed. AI (3 credits)	MSE 3011 Mtls Character (4 credits) QI	MSE 3210 EPS (3 credits)	Gen Ed. LS (3 credits)
Gen Ed. BF (3 credits)	MSE 1800 MSE I (2 credit)	Organic Chemistry can be taken before or Statics. Students must request a permission code from Mechanical Eng. to take ME EN 2020--statics.			Gen Ed. PS (3 credits)	Gen Ed.+ B.S. HF + DV (3 credits)	Gen Ed.+ B.S. FF + IR (3 credits)
15 credits		15 credits		13 credits		14-15 credits	
14 credits		15 credits		16 credits		16 credits	
		BS/MS Option To start process for BS/MS program see Undergraduate Academic Advisor		BS/MS Option Department BS/MS Application Due April 1st		BS/MS Option Students must pass transfer graduate class- es with a B or better. BS/MS Option Grad School Application Due Jan 15	