

Materials Science & Engineering B.S. Major 2025-2026 (Engineering Calculus)

Pre-Major Status

Materials Science & Engineering B.S. Major 2025-2026 (Engineering Calculus)							
First Year		Second Year		Third Year		Fourth Year	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
CHEM 1210 or CHEM 1211 Honors Elective Chem I (4 credits)	CHEM 1220 or CHEM 1221 Honors Elective Chem II (4 credits)	CHEM 2310 or CHEM 2311 Honors Elective Organic Chem (4 credits)	ME EN 2010 Statics (3 credits)	MSE 3410 Intro Polymers (3 credits)	MSE 5090 Communication (3 credit) CW	MET E 5450 Mech Behavior (3 credits) QI	MSE 5098 Senior Design (4 credits)
CHEM 1215 Chem Lab I (1 credit)	CHEM 1225 Chem Lab II (1 credit)	MSE 2010 Intro MSE (4 credits)	COMP 1010 Programming (3 credits)	MSE 3032 Thermo (4 credits)	MSE 3061 Transport (3 credits) QI	Tech Elective or Internship (3 credits)	MSE 5034 Kinetics (3 credit)
MATH 1310 or MATH 1311 Honors Elective Calc I (4 cr) QL	MATH 1320 or MATH 1321 Honors Elective Calc II (4 cr) QL	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 (3 credits)	MSE 4999 Honors Thesis (3 credits)
Gen Ed. (3 credits)	MSE 1800 MSE I (2 credit)	PHYS 2210 Physics I (4 credits)	PHYS 2220 Physics II (4 credits)	Gen Ed. (3 credits)	MSE 3011 Mtls Character (4 credits) QI	MSE 3210 EPS (3 credits)	Tech Elective (3 credits)
HONOR 1010 (1.5 credits)	HONOR 1020 (1.5 credits)	Organic Chemistry can be taken before or after Statics. Students must request a permission code from Mechanical Engineering to take ME EN 2010--statics.		MSE 2010 Intro MSE (4 credits)	Honors IT or Seminar (3 credits)	Honors IT or Seminar (3 credits)	Gen Ed. (3 credits)
Honors IT or Seminar (3 credits)		2nd-Year Learning Community Canvas Course (0 credits)		3rd-Year Learning Community Canvas Course (0 credits)		4th-Year Learning Community Canvas Course (0 credits)	
Honors Requirements HONOR 1010 and 1020 2nd, 3rd, 4th-Year Learning Communities 2 Intellectual Traditions 1 HONOR Seminar 9 cr. Honors Electives MSE 4999 Thesis		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 classes with a B or better. Grad School Application Due Jan 15	
13.5 credits		15.5 credits		13 credits		15 credits	

Major Status



Department of Materials Science & Engineering
College of Engineering | University of Utah
www.mse.utah.edu

Minimum Required credits: 120
C grade or better in all major required courses
Non-emphasis or emphasis track

Key

- Prerequisites Enforced →
- Recommended Co-reqs - - →