

Materials Science & Engineering B.S. Major 2024-2025 (Traditional 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)	CHEM 2310 Org 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
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)	Tech Elective ENG Section 3 or Internship (3 credits)	MSE 5034 Kinetics (3 credit)	
MATH 1210 Calc I (4 credits) QA	MATH 1220 Calc II (4 credits) QB	MATH 2210 Calc III (3 credits)	MATH 2250 ODEs/Lin Alg (4 credits)	MATH 3150 PDEs (2 credits)	MSE 3310 Intro Ceramics (3 credits)	MSE 3210 EPS (3 credits)	Tech Elective MET E Section 2 (3 credits)	
WRTG 2010 Intro Writing (3 credits) WR2	MSE 1800 MSE I (2 credit)	PHYS 2210 Physics I (4 credits)	PHYS 2220 Physics II (4 credits)	MSE 3010 Mtls Processing (3 credits)	MSE 3011 Mtls Character (4 credits) QI	Gen Ed. (3 credits)	Tech Elective MSE Section 1 (3 credits)	
LEAP 1501 Eng LEAP I BF or Gen Ed. (3 credits)	Gen Ed. (3 credits)	Organic Chemistry can be swapped for Statics. Students must request a permission code from Mechanical Eng. to take ME EN 2020--statics.		Gen Ed. (3 credits)	Tech Elective MSE Section 1 (2-3 credits)	Gen Ed. (3 credits)	Gen Ed. (3 credits)	
	LEAP 1500 Eng LEAP II HF & DV or Gen Ed. (3 credits)	BS/MS Option To start process for BS/MS program see Undergraduate Academic Advisor.		Major Status	Foundational Requirement (1.5-3 credits)	BS/MS Option Students must pass transfer graduate classes with a B or better. See Graduate Academic Advisor.	BS/MS Option Grad School Application Due Jan 15	
					BS/MS Option Department BS/MS Application Due April 1			

15 credits

17 credits

14 credits

15 credits

15 credits

17.5-19 credits

15 credits

16 credits



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

Total Required credits: 124.5 or more
C grade or better in all major required courses
Technical Electives: 10 or more credits

- Key**
- Prerequisites Enforced →
 - Recommended Co-requisites !
 - Recommended Prerequisite ...→