

# Materials Science & Engineering B.S. Major 2022-2023 (Engineering Calculus)

	First Year		Second Year		Third Year		Fourth Year	
	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
	Pre-Major Status							
	<b>CHEM 1210</b> Chemistry I (4 credits)	<b>CHEM 1220</b> Chemistry II (4 credits)	<b>CHEM 2310</b> Org Chem (4 credits)	<b>ME EN 2010</b> Statics (3 credits)	<b>MSE 3410</b> Intro Polymers (3 credits)	<b>MSE 5090</b> Communication (3 credit) <b>CW</b>	<b>MET E 5450</b> Mech Behavior (3 credits) <b>QI</b>	<b>MSE 5098</b> Senior Design (4 credits)
	<b>CHEM 1215</b> Chem Lab I (1 credit)	<b>CHEM 1225</b> Chem Lab II (1 credit)	<b>MSE 2010</b> Intro MSE (4 credits)	<b>COMP 1010</b> Programming (3 credits)	<b>MSE 3032</b> Thermo (4 credits)	<b>MSE 3061</b> Transport (3 credits) <b>QI</b>	<b>Tech Elective</b> or <b>Internship</b> (3 credits)	<b>MSE 5034</b> Kinetics (3 credit)
	<b>MATH 1310</b> Eng Calc I (4 credits) <b>QA</b>	<b>MATH 1320</b> Eng Calc II (4 credits) <b>QB</b>	<b>MATH 2250</b> ODEs/Lin Alg (4 credits)	<b>MATH 3140</b> PDEs (4 credits)	<b>MSE 3010</b> Mtls Processing (3 credits)	<b>MSE 3310</b> Intro Ceramics (3 credits)	<b>MSE 3210</b> EPS (3 credits)	<b>Tech Elective</b> (2-3 credits)
	<b>WRTG 2010</b> Intro Writing (3 credits) <b>WR2</b>	<b>MSE 1800</b> MSE I (2 credit)	<b>PHYS 2210</b> Physics I (4 credits)	<b>PHYS 2220</b> Physics II (4 credits)	<b>Foundational Requirement</b> (1.5-3 credits)	<b>MSE 3011</b> Mtls Character (4 credits) <b>QI</b>	<b>Gen Ed.</b> (3 credits)	<b>Tech Elective</b> (3 credits)
	<b>LEAP 1501</b> Eng LEAP I <b>BF</b> or <b>Gen Ed.</b> (3 credits)	<b>Gen Ed.</b> (3 credits)			<b>Gen Ed.</b> (3 credits)	<b>Tech Elective</b> (3 credits)	<b>Gen Ed.</b> (3 credits)	
		<b>LEAP 1500</b> Eng LEAP II HF & DV or <b>Gen Ed.</b> (3 credits)						
			<b>Major Status</b>					
			<b>BS/MS Option</b> To start process for BS/MS program see Undergraduate Academic Advisor		<b>BS/MS Option</b> <b>Department BS/MS Application Due April 1st</b>	<b>BS/MS Option</b> <b>Grad School Application Due Jan 15th</b>	<b>BS/MS Option</b> For graduate courses taken here see Graduate Academic Advisor	
	15 credits	17 credits	15 credits	15 credits	14.5-16 credits	16 credits	15 credits	16 credits



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

Total Required credits: 123.5 or more  
C- grade or better in all major required courses  
Technical Electives: 11 or more  
2.3 GPA required

## Key

- Prerequisites Enforced →
- Recommended Co-requisites •••
- Recommended Prerequisite •••••

Updated: Fall 2023