

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								
<div style="border: 1px solid blue; padding: 5px; margin-bottom: 5px;">CHEM 1210 Chemistry I (4 credits)</div> <div style="border: 1px solid blue; padding: 5px; margin-bottom: 5px;">CHEM 1215 Chem Lab I (1 credit)</div> <div style="border: 1px solid green; padding: 5px; margin-bottom: 5px;">MATH 1310 Eng Calc I (4 credits) QA</div> <div style="border: 1px solid purple; padding: 5px; margin-bottom: 5px;">WRTG 2010 Intro Writing (3 credits) WR2</div> <div style="border: 1px solid purple; padding: 5px; margin-bottom: 5px;">LEAP 1501 Eng LEAP I BF or Gen Ed. (3 credits)</div>	<div style="border: 1px solid blue; padding: 5px; margin-bottom: 5px;">CHEM 1220 Chemistry II (4 credits)</div> <div style="border: 1px solid blue; padding: 5px; margin-bottom: 5px;">CHEM 1225 Chem Lab II (1 credit)</div> <div style="border: 1px solid green; padding: 5px; margin-bottom: 5px;">MATH 1320 Eng Calc II (4 credits) QB</div> <div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">MSE 1800 MSE I - Optional (2 credit)</div> <div style="border: 1px solid purple; padding: 5px; margin-bottom: 5px;">Gen Ed. (3 credits)</div> <div style="border: 1px solid purple; padding: 5px; margin-bottom: 5px;">LEAP 1500 Eng LEAP II HF & DV or Gen Ed. (3 credits)</div>	<div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">MSE 2010 Intro MSE (4 credits)</div> <div style="border: 1px solid magenta; padding: 5px; margin-bottom: 5px;">ME EN 2010 Statics (3 credits)</div> <div style="border: 1px solid green; padding: 5px; margin-bottom: 5px;">MATH 2250 ODEs/Lin Alg (4 credits)</div> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 5px;">PHYS 2210 Physics I (4 credits)</div>	<div style="border: 1px solid blue; padding: 5px; margin-bottom: 5px;">CHEM 2310 Org Chem (4 credits)</div> <div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">MSE 2001 Python (3 credits)</div> <div style="border: 1px solid green; padding: 5px; margin-bottom: 5px;">MATH 3140 PDEs (4 credits)</div> <div style="border: 1px solid orange; padding: 5px; margin-bottom: 5px;">PHYS 2220 Physics II (4 credits)</div>	<div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">MSE 3410 Intro Polymers (3 credits)</div> <div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">MSE 3032 Thermo (4 credits)</div> <div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">MSE 3010 Mtls Processing (3 credits)</div> <div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">MSE 3210 EPS (3 credits)</div> <div style="border: 1px solid magenta; padding: 5px; margin-bottom: 5px;">ECE 2200 Elect Eng (1.5 credits)</div>	<div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">MSE 5090 Communication (3 credit) CW</div> <div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">MSE 3061 Transport (3 credits) QI</div> <div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">MSE 3310 Intro Ceramics (3 credits)</div> <div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">MSE 3011 Mtls Character (4 credits) QI</div> <div style="border: 1px solid purple; padding: 5px; margin-bottom: 5px;">Gen Ed. (3 credits)</div>	<div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">MET E 5450 Mech Behavior (3 credits) QI</div> <div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">Tech Elective Eng Section 3 or Internship (3 credits)</div> <div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">Tech Elective MET E Section 2 (3 credits)</div> <div style="border: 1px solid purple; padding: 5px; margin-bottom: 5px;">Gen Ed. (3 credits)</div> <div style="border: 1px solid purple; padding: 5px; margin-bottom: 5px;">Gen Ed. (3 credits)</div>	<div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">MSE 5098 Senior Design (4 credits)</div> <div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">MSE 5034 Kinetics (3 credit)</div> <div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">Tech Elective MSE Section 1 (2-3 credits)</div> <div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">Tech Elective MSE Section 1 (3 credits)</div> <div style="border: 1px solid purple; padding: 5px; margin-bottom: 5px;">Gen Ed. (3 credits)</div>								
15 credits		17 credits		15 credits		15 credits		14.5 credits		16 credits		15 credits		16 credits	
		<div style="border: 1px solid red; padding: 5px; background-color: #f0f0f0;"> BS/MS Option To start process for BS/MS program see Undergraduate Academic Advisor </div>		<div style="border: 1px solid red; padding: 5px; background-color: #f0f0f0;"> BS/MS Option Department BS/MS Application Due April 1st </div>		<div style="border: 1px solid red; padding: 5px; background-color: #f0f0f0;"> BS/MS Option Grad School Application Due Jan 15th </div>		<div style="border: 1px solid red; padding: 5px; background-color: #f0f0f0;"> BS/MS Option For graduate courses taken here see Graduate Academic Advisor </div>							

Pre-Major Status

Major Status



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 ...→