

Materials Science & Engineering B.S. Major 2025-2026 (Traditional 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 1210 Calc I (4 credits)</div> <div style="border: 1px solid purple; padding: 5px; margin-bottom: 5px;">Gen Ed. BF (3 credits)</div> <div style="border: 1px solid purple; padding: 5px;">WRTG 1010 (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 1220 Calc II (4 credits)</div> <div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">MSE 1800 MSE I (2 credit)</div> <div style="border: 1px solid purple; padding: 5px;">WRTG 2010 (3 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 2010 Intro MSE (4 credits)</div> <div style="border: 1px solid green; padding: 5px; margin-bottom: 5px;">MATH 2210 Calc III (3 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 gray; padding: 5px; margin-top: 10px;">Organic Chemistry can be taken before or after Statics. Students must request a permission code from Mechanical Eng. to take ME EN 2020--statics.</div>	<div style="border: 1px solid pink; padding: 5px; margin-bottom: 5px;">ME EN 2010 Statics (3 credits)</div> <div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">COMP 1010 Programming (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 2220 Physics II (4 credits)</div> <div style="border: 1px solid gray; padding: 5px; margin-top: 10px;">BS/MS Option To start process for BS/MS program see Undergraduate Academic Advisor.</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 green; padding: 5px; margin-bottom: 5px;">MATH 3150 PDEs (2 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 purple; padding: 5px;">Gen Ed. AI (3 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)</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 red; padding: 5px;">Tech Elective MSE Section 1 (2-3 credits)</div> <div style="border: 1px solid gray; padding: 5px; margin-top: 10px;">BS/MS Option Department BS/MS Application Due April 1</div>	<div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">MET E 5450 Mech Behavior (3 credits)</div> <div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">Tech Elective ENG Section 2 or Internship (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 purple; padding: 5px; margin-bottom: 5px;">Gen Ed. + B.S. FF + IR (3 credits)</div> <div style="border: 1px solid purple; padding: 5px;">Gen Ed. PS (3 credits)</div> <div style="border: 1px solid gray; padding: 5px; margin-top: 10px;">BS/MS Option Students must pass transfer graduate classes with a B or better. See Graduate Academic Advisor.</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 (3 credits)</div> <div style="border: 1px solid purple; padding: 5px; margin-bottom: 5px;">Gen Ed. + B.S. HF + DV (3 credits)</div> <div style="border: 1px solid purple; padding: 5px;">Gen Ed. LS (3 credits)</div> <div style="border: 1px solid gray; padding: 5px; margin-top: 10px;">BS/MS Option Grad School Application Due Jan 15</div>				
15 credits		14 credits		15 credits		15 credits		15 credits		16 credits	

Pre-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 - - →