

Materials Science & Engineering B.S. Major 2020-2021 (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 red; padding: 5px; margin-bottom: 5px;">MSE 1800 MSE I - Optional (1 credit)</div> <div style="border: 1px solid purple; padding: 5px; margin-bottom: 5px;">WRTG 2010 Intro Writing (3 credits)</div> <div style="border: 1px solid purple; padding: 5px; margin-bottom: 5px;">LEAP 1501 Eng LEAP I BF — or — MSE Ethics PHIL 3500, 3520, 3530, or 4540 HF (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 1801 MSE I - Optional (1 credit)</div> <div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">MSE 2001 Python (1.5 credits)</div> <div style="border: 1px solid purple; padding: 5px; margin-bottom: 5px;">LEAP 1500 Eng LEAP II HF & DV — or — MSE Diversity (FF / BF / HF) (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 pink; padding: 5px; margin-bottom: 5px;">ME EN 2010 Statics (3 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-bottom: 5px;"><small>BS/MS Option</small> To start process for BS/MS program see Undergraduate Academic Advisor</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 3061 Transport (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 purple; padding: 5px; margin-bottom: 5px;">Gen Ed. (3 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 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 red; padding: 5px; margin-bottom: 5px;">MSE 3210 EPS (3 credits)</div> <div style="border: 1px solid pink; padding: 5px; margin-bottom: 5px;">ECE 2200 Elect Eng (1.5 credits)</div> <div style="border: 1px solid gray; padding: 5px; margin-bottom: 5px;"><small>BS/MS Option</small> Department BS/MS Application Due April 1st</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 5034 Kinetics (3 credit)</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 purple; padding: 5px; margin-bottom: 5px;">Gen Ed. (3 credits)</div> <div style="border: 1px solid gray; padding: 5px; margin-bottom: 5px;"><small>BS/MS Option</small> Grad School Application Due Jan 15th</div>	<div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">MSE 5098 Senior Design (2.5 credits)</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 MSE Section 1 (3 credits)</div> <div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">Tech Elective MSE Section 1 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 gray; padding: 5px; margin-bottom: 5px;"><small>BS/MS Option</small> For graduate courses taken here see Graduate Academic Advisor</div>	<div style="border: 1px solid red; padding: 5px; margin-bottom: 5px;">MSE 5099 Senior Thesis (2.5 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 red; padding: 5px; margin-bottom: 5px;">Tech Elective Eng. Section 3 (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>
16 credits	14.5 credits	14 credits	18 credits	16.5 credits	16 credits	14.5 credits	14.5 credits

Pre-Major Status

Major Status



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

Total Required credits: 123 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 ↯