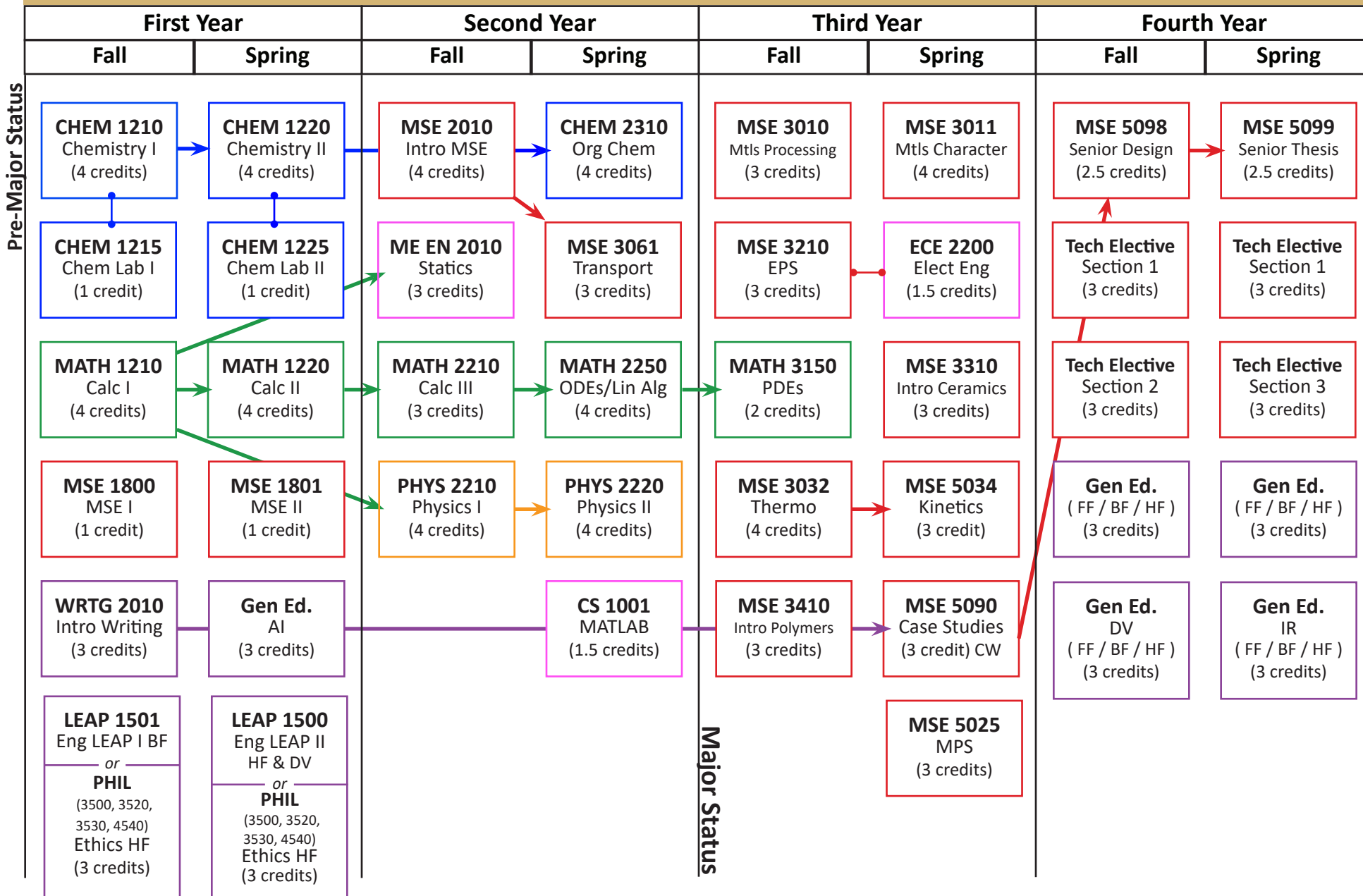


Materials Science & Engineering B.S. Major (Traditional Calculus)



Department of Materials Science & Engineering
College of Engineering | University of Utah
 Academic Advisor: Marcie Leek | marcie.leek@utah.edu
 For further information visit: www.mse.utah.edu

Key

- Prerequisites Enforced →
- Recommended co-requisites ↯

Major Requirements

- No grade below C allowed
- 2.3 GPA is required

Materials Science & Engineering Major Status

Fall	Spring	Fall	Spring				
<p>Pre-req: MSE 2010, MATH 1220, CHEM 2310, PHYS 2220 Co-req: MSE 3061, ME EN 2010</p> <div data-bbox="126 349 535 462" style="border: 1px solid black; padding: 5px; text-align: center;"> <p>MSE 3010 Materials Processing (3 credits)</p> </div>	<p>Pre-req: MSE 2010, MSE 3061, MATH 3150, CHEM 2310, PHYS 2220, CS 1001, ME EN 2010</p> <div data-bbox="602 316 1012 430" style="border: 1px solid black; padding: 5px; text-align: center;"> <p>MSE 3011 Structural Analysis of Materials (4 credits)</p> </div>	<p>Pre-req: MSE 5090</p> <div data-bbox="1079 300 1491 414" style="border: 1px solid black; padding: 5px; text-align: center;"> <p>MSE 5098 Senior Design (2.5 credits)</p> </div> <p>Sequence: MSE 5099</p>	<p>Pre-req: MSE 5098</p> <div data-bbox="1556 300 1965 414" style="border: 1px solid black; padding: 5px; text-align: center;"> <p>MSE 5099 Senior Thesis (2.5 credits)</p> </div>				
<p>Pre-req: MSE 2010, MATH 2250, CHEM 1220/1225, PHYS 2220, CS 1001 Co-req: MATH 3150, CHEM 2310, MSE 3061, ME EN 2010, ECE 2200</p> <div data-bbox="126 617 535 730" style="border: 1px solid black; padding: 5px; text-align: center;"> <p>MSE 3210 Electronic Properties of Solids (3 credits)</p> </div>	<p>Pre-req: MSE 2010, MATH 1210, CHEM 1210, CHEM 1215</p> <div data-bbox="602 535 1012 649" style="border: 1px solid black; padding: 5px; text-align: center;"> <p>MSE 3310 Intro to Ceramics (3 credits)</p> </div>	<div data-bbox="1079 527 1965 1079" style="border: 1px solid black; padding: 10px;"> <p>Technical Electives</p> <p>Students are required to complete four 5000-level or above courses from the approved Technical Elective list, visit mse.utah.edu for more information.</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <td data-bbox="1102 673 1495 852" style="padding: 10px;"> <p>Materials Science & Engineering Section 1</p> </td> <td data-bbox="1547 673 1940 852" style="padding: 10px;"> <p>Materials Science & Engineering Section 1</p> </td> </tr> <tr> <td data-bbox="1102 876 1495 1055" style="padding: 10px;"> <p>Metallurgical Engineering Section 2</p> </td> <td data-bbox="1547 876 1940 1055" style="padding: 10px;"> <p>Engineering & Science Section 3</p> </td> </tr> </table> </div>		<p>Materials Science & Engineering Section 1</p>	<p>Materials Science & Engineering Section 1</p>	<p>Metallurgical Engineering Section 2</p>	<p>Engineering & Science Section 3</p>
<p>Materials Science & Engineering Section 1</p>	<p>Materials Science & Engineering Section 1</p>						
<p>Metallurgical Engineering Section 2</p>	<p>Engineering & Science Section 3</p>						
<div data-bbox="126 763 535 876" style="border: 1px solid black; padding: 5px; text-align: center;"> <p>ECE 2200 Electrical & Computer Eng. (1.5 credits)</p> </div>	<p>Pre-req: MSE 2010, MSE 3061, MATH 3150, CHEM 2310, PHYS 2220, CS 1001, ME EN 2010</p> <div data-bbox="602 747 1012 860" style="border: 1px solid black; padding: 5px; text-align: center;"> <p>MSE 5025 Mechanical Properties of Solids (3 credits)</p> </div>						
<p>Pre-req: MSE 2010, MSE 3061, MATH 2250, CHEM 1220/1225, PHYS 2220</p> <div data-bbox="126 982 535 1096" style="border: 1px solid black; padding: 5px; text-align: center;"> <p>MSE 3032 Thermodynamics (4 credits)</p> </div> <p>Sequence: MSE 5034</p>	<p>Pre-req: MSE 2010, MSE 3061, MATH 3150, CHEM 2310, PHYS 2220, CS 1001, ME EN 2010, MSE 3032</p> <div data-bbox="602 990 1012 1104" style="border: 1px solid black; padding: 5px; text-align: center;"> <p>MSE 5034 Kinetics of Solid-State Processes (3 credits)</p> </div>						
<p>Pre-req: MSE 2010, CHEM 2310, MATH 1220</p> <div data-bbox="126 1218 535 1331" style="border: 1px solid black; padding: 5px; text-align: center;"> <p>MSE 3410 Intro to Polymers (3 credits)</p> </div>	<p>Pre-req: WRTG 2010</p> <div data-bbox="602 1185 1012 1299" style="border: 1px solid black; padding: 5px; text-align: center;"> <p>MSE 5090 Case Studies in MSE (3 credits)</p> </div> <p>Sequence: MSE 5098, MSE 5099</p>						

