

# Metallurgical Engineering B.S. Major 2020-2021

First Year		Second Year		Third Year		Fourth Year	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
<b>CHEM 1210</b> Chemistry I (4 credits)	<b>CHEM 1220</b> Chemistry II (4 credits)	<b>MSE 2010</b> Intro MSE (4 credits)	<b>MET E 2300</b> Elem of Mech (2 credits)	<b>MET E 3070</b> Statistical Meth (3 credits)	<b>MET E 5670</b> Mineral Process (3 credits) <b>QI</b>	<b>MET E 5450</b> Mech Behavior (3 credits) <b>QI</b>	<b>MET E 5760</b> Process Design I (4 credits)
<b>CHEM 1215</b> Chem Lab I (1 credit)	<b>CHEM 1225</b> Chem Lab II (1 credit)	<b>PHYS 2210</b> Physics I (4 credits)	<b>PHYS 2220</b> Physics II (4 credits)	<b>MET E 3630</b> Thermo II (3 credits)	<b>MET E 5750</b> Transport (3 credits) <b>QI</b>	<b>MET E 5710</b> High Temp Chem (4 credits)	<b>MET E 5780</b> Mtls Manufact (3 credits)
<b>MATH 1210</b> Calc I (4 credits) <b>QA</b>	<b>MATH 1220</b> Calc II (4 credits) <b>QB</b>	<b>MATH 2210</b> Calc III (3 credits)	<b>MATH 2250</b> ODEs/Lin Alg (4 credits)	<b>MET E 5260</b> Physical Met I (3 credits) <b>QI</b>	<b>MET E 5700</b> Low Temp Chem (3 credits) <b>QI</b>	<b>Tech Elective</b> or <b>Emphasis</b> (3 credits)	<b>Tech Elective</b> or <b>Emphasis</b> (3 credits)
<b>MET E 1630</b> Intro to Metal (3 credits)	<b>MSE 2001</b> Python (1.5 credits)	<b>Gen Ed.</b> (3 credits)	<b>MET E 3610</b> Thermo I (3 credits) <b>QI</b>	<b>Tech Elective</b> or <b>Emphasis</b> (3 credits)	<b>Tech Elective</b> or <b>Emphasis</b> (3 credits)	<b>Tech Elective</b> or <b>Emphasis</b> or <b>Internship</b> (3 credits)	<b>Tech Elective</b> or <b>Emphasis</b> (3 credits)
<b>MSE 1800</b> MSE I (1 credit)	<b>MSE 1801</b> MSE I (1 credit)	<b>Gen Ed.</b> (3 credits)	<b>Gen Ed.</b> (3 credits)	<b>Gen Ed.</b> (3 credits)	<b>Tech Elective</b> or <b>Emphasis</b> (3 credits)	<b>Gen Ed.</b> (3 credits)	<b>Gen Ed.</b> (3 credits)
<b>WRTG 2010</b> Intro Writing (3 credits) <b>WR</b> or <b>LEAP 1501</b> Eng LEAP I <b>BF</b>	<b>Gen Ed.</b> (3 credits) or <b>LEAP 1500</b> Eng LEAP II <b>BF</b>					<b>Gen Ed.</b> (3 credits)	
<b>16 credits</b>	<b>14.5 credits</b>	<b>17 credits</b>	<b>16 credits</b>	<b>15 credits</b>	<b>15 credits</b>	<b>16 credits</b>	<b>16 credits</b>



Department of Materials Science & Engineering  
 College of Mines & Earth Sciences  
 University of Utah  
[www.mse.utah.edu](http://www.mse.utah.edu)

Total Required credits: 125.5 or more  
 Emphasis: 12 or more credits  
 Technical Elective: 9 credits  
 C- grade or better

**Key**

- Prerequisites Recommended →
- Recommended Co-requisites !