

Metallurgical Engineering B.S. Major 2023-2024

First Year		Second Year		Third Year		Fourth Year	
Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
CHEM 1210 Chemistry I (4 credits)	CHEM 1220 Chemistry II (4 credits)	MSE 2010 Intro MSE (4 credits)	ME EN 2010 Statics (3 credits)	MATH 3070 Statistical Meth (3 credits)	MSE 5090 Communication (3 credit) CW	MET E 5450 Mech Behavior (3 credits) QI	MET E 5760 Process Design I (4 credits)
CHEM 1215 Chem Lab I (1 credit)	CHEM 1225 Chem Lab II (1 credit)	PHYS 2210 Physics I (4 credits)	PHYS 2220 Physics II (4 credits)	MET E 3630 Thermo II (4 credits)	MET E 5750 Transport (3 credits) QI	MET E 5710 High Temp Chem (4 credits)	MET E 5780 Mtls Manufact (3 credits)
MATH 1210 Calc I (4 credits) QA	MATH 1220 Calc II (4 credits) QB	MATH 2210 Calc III (3 credits)	MATH 2250 ODEs/Lin Alg (4 credits)	MET E 5260 Physical Met I (3 credits) QI	MET E 5700 Low Temp Chem (3 credits) QI	Tech Elective or Emphasis (2-3 credits)	Tech Elective or Emphasis (3 credits)
MET E 1630 Intro to Metal (3 credits)	Gen Ed. (3 credits)	Gen Ed. (3 credits)	MET E 3610 Thermo I (2 credits) QI	Tech Elective or Emphasis (2-3 credits)	MET E 5670 Mineral Process (3 credits) QI	Tech Elective or Emphasis or Internship (3 credits)	Tech Elective or Emphasis (3 credits)
WRTG 2010 Intro Writing (3 credits) WR or LEAP 1501 Eng LEAP I BF	MSE 1800 MSE I (2 credit)	Gen Ed. (3 credits)	COMP 1010 Python (3 credits)	Gen Ed. IR (3 credits)	Tech Elective or Emphasis (3 credits)	Gen Ed. (3 credits)	Gen Ed. (3 credits)
		<div style="background-color: #8b4513; color: white; padding: 5px; text-align: left;"> Gen Eds: WRTG 2010 (WR2) 1 American Institutions (AI) 2 Fine Arts (FF) 2 Humanities (HF) 2 Social Sciences (BF) 1 Diversity (DV) 1 International (IR) </div>		<div style="background-color: #8b4513; color: white; padding: 5px; text-align: left;"> Emphasis: Minimum of 11 credits Tech Electives: Minimum of 5 credits Internship fulfills 3 tech elective credits GEO 3030 fulfills a tech elective <i>and</i> IR </div>			
15 credits	17 credits	17 credits	16 credits	15-16 credits	15 credits	15-16 credits	16 credits



Department of Materials Science & Engineering
 College of Mines & Earth Sciences
 University of Utah
www.mse.utah.edu

Total Program Credits: 102-104
 Minimum Credits to Graduate: 122
 C- grade or better

Key
 • Prerequisites Recommended →
 • Recommended Co-requisites ↕