

Metallurgical Engineering B.S. Major 2024-2025

Metallurgical Engineering B.S. Major 2024-2025							
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 5260 Physical Met I (3 credits) QI	MET E 5670 Mineral Process (3 credits) QI	Tech Elective or Emphasis (2-3 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)	Tech Elective or Emphasis (2-3 credits)	MET E 5750 Transport (3 credits) QI	Tech Elective or Emphasis (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	MET E 3630 Thermo II (4 credits)	MET E 5700 Low Temp Chem (3 credits) QI	MET E 5710 High Temp Chem (4 credits)	Tech Elective or Emphasis or Internship (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)
		Gen Eds (not fulfilled by major): WRTG 1010 and 2010 (WR2) 1 American Institutions (AI) 1 Fine Arts (FF) 1 Humanities (HF) 1 Social Sciences (BF) 1 Diversity (DV) 1 International Req (IR)					
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 ↕