

Materials Science & Engineering B.S. Major 2020-2021 (Engineering Calculus)

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)	CHEM 2310 Org Chem (4 credits)	MSE 3410 Intro Polymers (3 credits)	MSE 5090 Communication (3 credit) CW	MSE 5098 Senior Design (2.5 credits)	MSE 5099 Senior Thesis (2.5 credits)
CHEM 1215 Chem Lab I (1 credit)	CHEM 1225 Chem Lab II (1 credit)	ME EN 2010 Statics (3 credits)	MSE 3061 Transport (3 credits)	MSE 3032 Thermo (4 credits)	*MSE 5034 Kinetics (3 credit)	MET E 5450 Mech Behavior (3 credits)	Tech Elective MSE Section 1 (2-3 credits)
MATH 1310 Eng Calc I (4 credits)	MATH 1320 Eng Calc II (4 credits)	MATH 2250 ODEs/Lin Alg (4 credits)	MATH 3140 PDEs (4 credits)	MSE 3010 Mtls Processing (3 credits)	MSE 3310 Intro Ceramics (3 credits)	Tech Elective MSE Section 1 or Internship (3 credits)	Tech Elective Eng. Section 3 (3 credits)
MSE 1800 MSE I - Optional (1 credit)	MSE 1801 MSE I - Optional (1 credit)	PHYS 2210 Physics I (4 credits)	PHYS 2220 Physics II (4 credits)	MSE 3210 EPS (3 credits)	MSE 3011 Mtls Character (4 credits) QI	Tech Elective MET E Section 2 (3 credits)	Gen Ed. (3 credits)
WRTG 2010 Intro Writing (3 credits)	MSE 2001 Python (1.5 credits)	Gen Ed. (3 credits)		ECE 2200 Elect Eng (1.5 credits)	Gen Ed. (3 credits)	Gen Ed. (3 credits)	Gen Ed. (3 credits)
LEAP 1501 Eng LEAP I BF or MSE Ethics PHIL 3500, 3520, 3530, or 4540 HF (3 credits)	LEAP 1500 Eng LEAP II HF & DV or MSE Diversity (FF / BF / HF) (3 credits)	BS/MS Option To start process for BS/MS program see Undergraduate Academic Advisor		BS/MS Option Department BS/MS Application Due April 1st	BS/MS Option Grad School Application Due Jan 15th	BS/MS Option For graduate courses taken here see Graduate Academic Advisor	
16 credits	14.5 credits	15 credits	18 credits	14.5 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 ↯