

Materials Science & Engineering B.S. Major 2021-2022 (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) QI	MSE 3032 Thermo (4 credits)	*MSE 5034 Kinetics (3 credit)	MET E 5450 Mech Behavior (3 credits) QI	Tech Elective MSE Section 1 (2-3 credits)
MATH 1310 Eng Calc I (4 credits) QA	MATH 1320 Eng Calc II (4 credits) QB	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 Eng Section 3 or Internship (3 credits)	Tech Elective MSE Section 1 (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) WR2	Gen Ed. (3 credits)	MSE 2001 Python (2 credits)	ECE 2200 Elect Eng (1.5 credits)	Gen Ed. (3 credits)	Gen Ed. (3 credits)	Gen Ed. (3 credits)	Gen Ed. (3 credits)
LEAP 1501 Eng LEAP I BF or Gen Ed. (3 credits)	LEAP 1500 Eng LEAP II HF & DV or Gen Ed. (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	16 credits	15 credits	17 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: 123.5 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 ⋮
 - Recommended Prerequisite ⋯→