Materials Science & Engineering B.S. Major 2026-2027 (Engineering Calculus)

Pre-Major Status

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	**MET E 5450** Mech Behavior (3 credits)	**MSE 5098** Senior Design (2 credits)
CHEM 1215 Chem Lab I (1 credit)	**CHEM 1225** Chem Lab II (1 credit)	**ME EN 2010** Statics (3 credits)	**COMP 1010** Programming (3 credits)	**MSE 3032** Thermo (4 credits)	**MSE 3061** Transport (3 credits)	**Tech Elective** *or* **Internship** (3 credits)	**MSE 5034** Kinetics (3 credit)
MATH 1310 Calc I (4 credits)	**MATH 1320** 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** (2-3 credits)	**Tech Elective** (3 credits)
WRTG 1010 (3 credits)	**WRTG 2010** (3 credits)	**PHYS 2210** Physics I (4 credits)	**PHYS 2220** Physics II (4 credits)	**Gen Ed.** AI (3 credits)	**MSE 3011** Mtls Character (4 credits) QI	**MSE 3210** EPS (3 credits)	**Gen Ed.** LS (3 credits)
Gen Ed. BF (3 credits)	**MSE 1800** MSE I (2 credit)	Organic Chemistry can be taken before or Statics. Students must request a permission code from Mechanical Eng. to take ME EN 2020 - Statics.			**Gen Ed.+ B.S.** HF + DV (3 credits)	**MSE 5098** Senior Design (2 credits)	**Gen Ed.+ B.S.** FF + IR (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: Students must pass transfer graduate classes with a B or better.	BS/MS Option: **Grad School Application Due Jan 15**
15 credits	14 credits	15 credits	15 credits	13 credits	16 credits	14-15 credits	16 credits

Department of Materials Science & Engineering
College of Engineering | University of Utah
www.mse.utah.edu

Total Required Credit Hours: 120
C grade or better to pass and move forward
Non-emphasis or emphasis track available

Key
- Prerequisites Enforced →
- Recommended Co-requisites
- Recommended Prerequisite ⋯→

Updated: *Summer 2026*