Materials Science & Engineering B.S. Major 2023-2024 (Traditional Calculus)

	First Year		Second Year		Third Year		Fourth Year	
	Fall	**Spring**	**Fall**	**Spring**	**Fall**	**Spring**	**Fall**	**Spring**

Pre-Major Status (vertical label, left side)

Major Status (vertical label, center, red line between Second Year Spring and Third Year Fall)

First Year — Fall
- **CHEM 1210** Chemistry I (4 credits)
- **CHEM 1215** Chem Lab I (1 credit)
- **MATH 1210** Calc I (4 credits) QA
- **WRTG 2010** Intro Writing (3 credits) WR2
- **LEAP 1501** Eng LEAP I BF _or_ **Gen Ed.** (3 credits)

First Year — Spring
- **CHEM 1220** Chemistry II (4 credits)
- **CHEM 1225** Chem Lab II (1 credit)
- **MATH 1220** Calc II (4 credits) QB
- **MSE 1800** MSE I (2 credit)
- **Gen Ed.** (3 credits)
- **LEAP 1500** Eng LEAP II HF & DV _or_ **Gen Ed.** (3 credits)

Second Year — Fall
- **CHEM 2310** Org Chem (4 credits)
- **MSE 2010** Intro MSE (4 credits)
- **MATH 2210** Calc III (3 credits)
- **PHYS 2210** Physics I (4 credits)

Second Year — Spring
- **ME EN 2010** Statics (3 credits)
- **COMP 1010** Programming (3 credits)
- **MATH 2250** ODEs/Lin Alg (4 credits)
- **PHYS 2220** Physics II (4 credits)

Third Year — Fall
- **MSE 3410** Intro Polymers (3 credits)
- **MSE 3032** Thermo (4 credits)
- **MATH 3150** PDEs (2 credits)
- **MSE 3010** Mtls Processing (3 credits)
- **Gen Ed.** (3 credits)

Third Year — Spring
- **MSE 5090** Communication (3 credit) CW
- **MSE 3061** Transport (3 credits)
- **MSE 3310** Intro Ceramics (3 credits)
- **MSE 3011** Mtls Character (4 credits) QI
- **Tech Elective** MSE Section 1 (2-3 credits)
- **Foundational Requirement** (1.5-3 credits)

Fourth Year — Fall
- **MET E 5450** Mech Behavior (3 credits) QI
- **Tech Elective** ENG Section 3 _or_ Internship (3 credits)
- **MSE 3210** EPS (3 credits)
- **Gen Ed.** (3 credits)
- **Gen Ed.** (3 credits)

Fourth Year — Spring
- **MSE 5098** Senior Design (4 credits)
- **MSE 5034** Kinetics (3 credit)
- **Tech Elective** MET E Section 2 (3 credits)
- **Tech Elective** MSE Section 1 (3 credits)
- **Gen Ed.** (3 credits)

BS/MS Option
- (Second Year Fall) To start process for BS/MS program see Undergraduate Academic Advisor
- (Third Year Fall) **Department BS/MS Application Due April 1st**
- (Third Year Spring) **Grad School Application Due Jan 15th**
- (Fourth Year Fall) For graduate courses taken here see Graduate Academic Advisor

Credit Totals
First Year Fall	First Year Spring	Second Year Fall	Second Year Spring	Third Year Fall	Third Year Spring	Fourth Year Fall	Fourth Year Spring
15 credits	17 credits	14 credits	15 credits	15 credits	17.5-19 credits	15 credits	16 credits

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

Total Required credits: 124.5 or more
C- grade or better in all major required courses
Technical Electives: 10 or more credits

Key
- Prerequisites Enforced →
- Recommended Co-requisites
- Recommended Prerequisite ····>

Updated: _Spring 2023_