

Department of Materials Science and Engineering Curriculum Guide

Freshman Year – First Semester

Course Name	Credits	Course Name	Credits
CHEM 1127Q or 1147Q	4	CHEM 1128Q or 1148Q	4
General Chemistry		General Chemistry	
MATH 1131Q	4	MATH 1132Q	4
Calculus I		Calculus II	
ENGR 1000	1	ENGR 1166	3
Orientation to Engineering		Foundations of Engineering	
CSE 1100C	2		3
Introduction to Computing		General Education Elective (Content Area 2)	
ENGL 1010 or 1011	4		3
Sem. Acad. Writing or Sem. Writing thr Lit		General Education Elective (Content Area 2)	
	3		3
General Education Elective (Content Area 1)			
Total	18	Total	17

Freshman Year – Second Semester

Sophomore Year – First Semester

Course Name	Credits	Course Name	Credits
PHYS 1501Q	4	PHYS 1502Q	4
Physics for Engineering I		Physics for Engineering II	
MATH 2110Q	4	MATH 2410Q	3
Multivariable Calculus		Differential Equations	
PHIL 1104	3	MSE 2002	3
Philosophy & Ethics		Intro to material Science and Engineering II	
MSE 2001	3	MSE 2053	1
Intro to Materials Science and Engineering I		Material Lab	
CE 2110	3	CE 3110	3
Applied Mechanics I		Mechanics of Materials	
		General Education Elective (Content Area 4)	3
Total	17	Total	17

Sophomore Year – Second Semester