

Curriculum in Materials Engineering

2025 Catalog

Total credits required: 128

Freshman Year					
<i>Semester 1</i>	16 cr	Year taken	<i>Semester 2</i>	17 cr	Year taken
Math 1650	4 cr		Math 1660	4 cr	
Chem 1770	4 cr		Chem 1780	3 cr	
Chem 1770L	1 cr		Chem 1780L	1 cr	
English 1500	3 cr		Mat E 1700 (S)	3 cr	
Engr 1010	R cr		English 2500	3 cr	
Engr 1600	3 cr		Gen Ed: _____	3 cr	
Lib 1600	1 cr				
Sophomore Year					
<i>Semester 3</i>	16 cr	Year taken	<i>Semester 4</i>	16 cr	Year taken
Math 2650	4 cr		Mat E 3010 (S)	R cr	
Mat E 2150 (F,S)	3 cr		Math 2670	4 cr	
Mat E 2150L (F,S)	1 cr		Mat E 2140 (F,S)	3 cr	
Phys 2310	4 cr		Mat E 2160 (F,S)	3 cr	
Phys 2310L	1 cr		Mat E 2160L (F,S)	1 cr	
Gen Ed: _____	3 cr		Phys 2320	4 cr	
(U.S. Cultures and Communities)			Phys 2320L	1 cr	
Junior Year					
<i>Semester 5</i>	15 cr	Year taken	<i>Semester 6</i>	15 cr	Year taken
Mat E 3110 (F)	3 cr		Mat E 3140 (S)	3 cr	
Mat E 3170 (F)	3 cr		Mat E 3190 (S)	3 cr	
Specialization: _____	3 cr		Specialization: _____	3 cr	
Mat E elec.: _____	3 cr		Tech. elec.: _____	3 cr	
Stat 3050	3 cr		Gen Ed: _____	3 cr	
			(International Perspective)		
Senior Year					
<i>Semester 7</i>	15 cr	Year taken	<i>Semester 8</i>	18 cr	Year taken
Mat E 4130 (F,S)	3 cr		Mat E 4140 (F,S)	3 cr	
Mat E 4180 (F)	3 cr		Specialization: _____	3 cr	
Specialization: _____	3 cr		Mat E elec.: _____	3 cr	
Tech. elec.: _____	3 cr		Tech elec.: _____	3 cr	
Tech. Writing*: _____	3 cr		Tech elec.: _____	3 cr	
			Gen Ed: _____	3 cr	

*Choose one of the following courses: Engr 3140, Engr 3020, or Engr 3090.

Specialization Course Sequences

(Note: F = offered Fall only, S = offered Spring only)

Ceramics

Metals

Polymers

Mat E 3210 (F)	Mat E 3410 (F)	Mat E 3510 (F)
Mat E 3220 (S)	Mat E 3420 (S)	Mat E 3500 (S)
Mat E 4250 (F)	Mat E 4430 (F)	Mat E 4530 (F)
Mat E 4330 (S)	Mat E 4440 (S)	Mat E 4540 (S)