

Curriculum in Materials Engineering

2019 Catalog

Total credits required: 128

Freshman Year					
Semester 1	16 cr	Year taken	Semester 2	17 cr	Year taken
Math 165	4 cr		Math 166	4 cr	
Chem 177	4 cr		Chem 178	3 cr	
Chem 177L	1 cr		Chem 178L	1 cr	
English 150	3 cr		English 250	3 cr	
Engr 101	R cr		Gen Ed: _____	3 cr	
Engr 160	3 cr		Gen Ed: _____	3 cr	
Lib 160	1 cr				
Sophomore Year					
Semester 3	16 cr	Year taken	Semester 4	16 cr	Year taken
Math 265	4 cr		Math 267	4 cr	
Mat E 215 (F,S)	3 cr		Mat E 214 (F,S)	3 cr	
Mat E 215L (F,S)	1 cr		Mat E 216 (F,S)	3 cr	
Phys 221	5 cr		Mat E 216L (F,S)	1 cr	
Gen Ed: _____ (U.S. Diversity)	3 cr		Phys 222	5 cr	
Junior Year					
Semester 5	15 cr	Year taken	Semester 6	15 cr	Year taken
Mat E 311 (F,S)	3 cr		Mat E 301 (S)	R cr	
Mat E 317 (F)	3 cr		Mat E 314 (F,S)	3 cr	
Mat E 319 (F)	3 cr		Specialization: _____	3 cr	
Specialization: _____	3 cr		Tech. elec.: _____	3 cr	
Mat E elec.: _____	3 cr		Stat 305	3 cr	
			Gen Ed: _____ (International Perspectives)	3 cr	
Senior Year					
Semester 7	15 cr	Year taken	Semester 8	18 cr	Year taken
Mat E 413 (F,S)	3 cr		Mat E 414 (F,S)	3 cr	
Mat E 418 (F,S)	3 cr		Specialization: _____	3 cr	
Specialization: _____	3 cr		Tech elec.: _____	3 cr	
Tech. elec.: _____	3 cr		Tech elec.: _____	3 cr	
Gen Ed*: _____ (Technical Writing)	3 cr		Mat E elec.: _____	3 cr	
			Free elec.: _____	3 cr	

Specialization Course Sequences

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

Ceramics

Mat E 321 (F)
Mat E 322 (S)
Mat E 425 (F)
Mat E 433 (S)

Metals

Mat E 341 (F)
Mat E 342 (S)
Mat E 443 (F)
Mat E 444 (S)

Polymers

Mat E 351 (F)
Mat E 350 (S)
Mat E 453 (F)
Mat E 454 (S)

*Included in the 15 total Gen Ed credits is a **3 credit technical writing requirement.**

Choose one of the following courses: Engl 314, Engl 302, Engl 309, or JL MC 347.