

# Curriculum in Materials Engineering

## 2016 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	3 cr		Mat E 214	3 cr	
Mat E 215L	1 cr		Mat E 216	3 cr	
Phys 221	5 cr		Mat E 216L	1 cr	
Gen Ed: _____	3 cr		Phys 222	5 cr	
<i>(U.S. Diversity)</i>					
Junior Year					
Semester 5	15 cr	Year taken	Semester 6	18 cr	Year taken
Mat E 311	3 cr		Mat E 314	3 cr	
Mat E 317	3 cr		Mat E 316	3 cr	
Specialization: _____	3 cr		Specialization: _____	3 cr	
Mat E elec.: _____	3 cr		Mat E elec.: _____	3 cr	
E M 274	3 cr		E M 324	3 cr	
			Gen Ed: _____	3 cr	
			<i>(International Perspectives)</i>		
Senior Year					
Semester 7	15 cr	Year taken	Semester 8	15 cr	Year taken
Mat E 401	R cr		Mat E 414	3 cr	
Mat E 413	3 cr		Specialization: _____	3 cr	
Mat E 418	3 cr		Tech elec.: _____	3 cr	
Specialization: _____	3 cr		Tech. elec.: _____	3 cr	
Tech. elec.: _____	3 cr		Free elec.: _____	3 cr	
Gen Ed*: _____	3 cr				
<i>(Technical Writing)</i>					

### 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 343 (S)  
Mat E 442 (F)  
Mat E 444 (S)

#### Polymers

Chem 331 (F, S, SS)  
Mat E 351 (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.**