

Curriculum in Materials Engineering

2012-2013 Catalog

Total credits required: 128

Freshman Year					
<i>Semester 1</i>	15.5 cr	Year taken	<i>Semester 2</i>	17 cr	Year taken
Math 165	4 cr		Math 166	4 cr	
Engr 160	3 cr		Chem 178	3 cr	
Engr 101	R cr		Chem 178L	1 cr	
English 150	3 cr		Gen Ed: _____	3 cr	
Chem 177	4 cr		Gen Ed: _____	3 cr	
Chem 177L	1 cr		Gen Ed: _____	3 cr	
Lib 160	1 cr		(U.S. Diversity)		
NOTE: You must have a 6 cr area-of-emphasis in Gen Eds.					
Sophomore Year					
<i>Semester 3</i>	16 cr	Year taken	<i>Semester 4</i>	16 cr	Year taken
Math 265	4 cr		Math 267	4 cr	
Mat E 201	R cr		Mat E 214	3 cr	
Mat E 215	3 cr		Mat E 216	4 cr	
Mat E 215L	1 cr		Phys 222	5 cr	
Phys 221	5 cr				
English 250	3 cr				
Junior Year					
<i>Semester 5</i>	15 cr	Year taken	<i>Semester 6</i>	18 cr	Year taken
Mat E 311	3 cr		Mat E 314	3 cr	
Mat E 317	3 cr		Mat E 316	3 cr	
Spec. I: _____	3 cr		Spec. I: _____	3 cr	
Spec. II: _____	3 cr		EM 324	3 cr	
EM 274	3 cr		Tech. elec.: _____	3 cr.	
			Gen Ed: _____	3 cr	
(International Perspectives)					
Senior Year					
<i>Semester 7</i>	15 cr	Year taken	<i>Semester 8</i>	15 cr	Year taken
Mat E 413	3 cr		Mat E 414	3 cr	
Spec. I: _____	3 cr		Mat E 418	3 cr	
Spec. II: _____	3 cr		Spec. II: _____	3 cr	
Tech. elec.: _____	3 cr		Tech. elec.: _____	3 cr	
Free elec.: _____	3 cr		Gen Ed*: _____	3 cr	
(Technical Writing)					

Specialization Course Sequences

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

Ceramics

Mat E 321 (F)

Mat E 322 (S)

Mat E 425 (F)

Electronics

Mat E 334 (S)

Mat E 433 (F)

Mat E 332 (S)

Metals

Mat E 342 (S)

Mat E 443 (F)

Mat E 444 (S)

Polymers

Mat E 351 (F)

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.