

Student Outcomes Mapped to Required Courses

Course (credits)	Student Outcomes										
	a	b	c	d	e	f	g	h	i	j	k
Basic Program (27)											
Engr 160 (3)	√			√	√		√				
English 150 (3)							√				
English 250 (3)							√				
Phycis 221 (5)	√	√			√						
Chemistry 177 (4)	√				√						
Math 165 (4)	√				√						
Math 166 (4)	√				√						
Library 160 (1)							√		√		
Supporting (24)	a	b	c	d	e	f	g	h	i	j	k
Physics 222 (5)	√	√			√						
Chem 177L (1)	√	√	√		√						
Chemistry 178 (3)	√				√						
Chem 178L (1)	√	√	√		√						
Math 265 (4)	√				√						
Math 267 (4)	√				√						
EM 274 (3)	√				√						√
EM 324 (3)	√				√		√		√		
Gen Ed Elec(15)							√	√	√	√	
Tech Electives (9)											
MatE Electives (6)											
Free Elective (3)											
Mat E Core (32)	a	b	c	d	e	f	g	h	I	j	k
215 Intro Mat I(3)	√				√		√				√
215L Lab (1)	√	√			√		√				√
216 Intro Mat II(3)	√						√				√
216L Lab (1)	√	√			√		√				√
214 Character. (3)	√	√					√				√
311 Thermo.(3)	√				√						√
314 Kinetics (3)	√				√		√				√
316 Comp.(3)	√	√		√	√		√				√
317 Elec. Mat (3)	√				√		√				√
418 Mech Prop(3)	√				√		√				√
413 Prof Prac I(3)	√	√	√	√	√	√	√	√	√	√	√
414 Prof Prac II(3)	√	√	√	√	√	√	√	√	√	√	√
Specialization (12)											
Ceramic Materials	a	b	c	d	e	f	g	h	i	j	k
321 Int. Cer. Sci.	√				√		√		√		√
322 Cer. Proc.	√	√	√		√		√				√
425 Glass & Adv	√	√	√		√	√	√		√	√	√
433 Adv Elec Mat.	√				√			√	√	√	

Metallic Materials	a	b	c	d	e	f	g	h	i	j	k	
341 Metals Process	√	√			√			√		√	√	
342 Struc Prop	√	√	√		√		√				√	
443 Ferr Met	√		√		√		√		√	√		
444 Corr./Failure	√	√					√				√	
Polymeric Materials												
331 Organic Chem	√				√							
351 Int Poly Mat.	√				√			√		√	√	
453 Phys Mech	√	√		√	√		√				√	
454 Pol Comp Proc	√				√		√			√	√	