

Mat E Curriculum map of ABET Student Outcomes

Course (credits)	Student Outcomes						
	1	2	3	4	5	6	7
Mat E Core (32)							
215 Intro to Materials I (3)	C						
215L Lab (1)			C		C	C	
216 Intro Materials II (3)	C						
216L Lab (1)			C		C	C	
214 Characterization of Matls (3)					C	C	
301 Professional Planning			F	F			
311 Thermodynamics (3)	F	F					
314 Kinetics and Phase Equilibria (3)	C	F	F		F	F	F
317 Electronic Properties Matls (3)	F						
319 Mechanics of Structures and Materials (3)	F						
413 Design and Prof Prac I (3)	S	S	S	S	S		S
414 Design and Prof Prac II (3)	S	S	S	S	S	S	S
418 Mechanical Behavior Matls (3)	C		S		S		
Specialization: Ceramic Materials							
321 Intro Ceramic Science (3)	S						
322 Intro Ceramic Processing (3)	C				S	S	
425 Glass Science and Engineering (3)	C	S	S				
433 Advance Electronic Materials (3)	C						S
Specialization: Metallic Materials							
341 Metals Processing (3)	C		F	S	F		
342 Structure Property in Nonferrous (3)	S						
443 Physical Metallurgy in Ferrous (3)	C	S					S
444 Corrosion and Failure Analysis (3)	C		S		S	S	
Specialization: Polymeric Materials							
351 Intro Polymeric Materials (3)	S						
350 Polymers and Polymer Engineering (3)	C	S					
453 Physical, Mechanical Prop. In Polymers (3)	C				S	S	
454 Polymer Composites and Processing (3)	C		S				S

Curricular Element	C
Curricular element used for formative assessment	F
Curricular element used for summative assessment	S