

MATERIALS ENGINEERING (MATE)

Name: Last, First, ID

CLASS OF 2012  
Minimum Hrs. 204

2007-2008

Freshman Year (50hrs.)

Aut 2007				Wtr 2008				Spr 2008			
CHEM 101	Chem I	4		CHEM 102	Chem II	4		CHEM 103	Chem III	4	
CHEM 111	ChmLab	1		CHEM 112	ChmLab	1		CHEM 113	ChmLab	1	
ENGL 101	EnglCmp	3		ENGL 102	EnglCmp	3		MATH 253	Calc III	4	
MATH 251	Calc I	5		MATH 252	Calc II	4		MATH 257	Calc Lab	1	
CME 100	IntroCME	1		MATH 256	CalcLab	1		PHYS 202	Phys II	4	
CME 110	TechLab	1		PHYS 201	Phys I	4		PHYS 212	Phys Lab	1	
				PHYS 211	PhyLab	1		CME 101	IntroCME	1	
								36 PD	120 Coop4En	1	
Total		15		Total		18		Total		17	

_____	_____
_____	_____
_____	_____
07A	_____
08W	_____
08S	_____

Aut 2008 Soph (36hrs) Spr 2009

CHEM 350	Organic for Engineers I	4		CHEM 351	Organic for Engineers II	4	
CHEM 352	Organic Lab I	2		CHEM 353	Organic Lab II	2	
MATH 264	Calculus IV	5		MATH 273	Differential Equations	5	
CME 200	Biology for Engineers	3		CHE 364	Material & Energy Bal	4	
CME 210	Undergraduate Seminar	1		ENFD 101	Mechanics I	3	
ENFD 382	Basic Thermodynamic	3		COOP 120	Practice Eval #	_____	
Total		18		Total		18	

08U	_____
08A	_____
09W	_____
09S	_____

Aut 2009 PreJr (35hrs) Spr 2010

PHYS 203	Physics III	4		ENGL 492	Technical Writing (HU)	3	
PHYS 213	Physics Lab III	1		ENFD 385	Basic Heat Transfer	3	
CHE 373	Comp Methods in CHE	3		MTEN 202	Intro to Ceramics	3	
CME 300	Properties Materials I	3		MTEN 203	Intro to Polymers	3	
ENFD 375	Strength of Materials	3		MTEN 315	Physical Metallurgy I	3	
MTEN 342	Materials Thermo II	3		MTEN 431	Diffusion & Kinetics	3	
COOP 120	Practice Eval #	_____		COOP 120	Practice Eval #	_____	
Total		17		Total		18	

09U	_____
09A	_____
10W	_____
10S	_____

Aut 2010 Junior (35hrs) Spr 2011

BoK	_____	3		BoK	_____	3	
MATH 276	Matrix Methods	3		MATH 366	Engineering Statistics	3	
MTEN 252	Physical Polymers	3		MTEN 204	Ceramic Processes	3	
MTEN 415	Physical Metallurgy II	3		MTEN 205	Ceramics Lab	1	
MTEN 416	Metallurgy Lab	2		MTEN 352	Intro Polymer Process	3	
MTEN 421	Ceramic Fundamentals	3		MTEN 354	Polymers Lab	1	
COOP 120	Practice Eval #	_____		MTEN 424	X-Ray Diffraction	3	
				20 PD	502 Prof. Develop. II	1	
				COOP 120	Practice Eval #	_____	
Total		17		Total		18	

10U	_____
10A	_____
11W	_____
11S	_____

2011-2012

Senior (48hrs)

MTEN 501	Senior Project I	1		ELEC	_____	3	
MTEN 502	Senior Project II	2		ELEC	_____	3	
MTEN 503	Senior Project III	3		ELEC	_____	3	
MTEN 544	Mech Behvr Mat I (Aut)	3		ELEC	_____	3	
Composite Option (Aut)	_____	3		ELEC	_____	3	
BoK	_____	3		ELEC	_____	3	
BoK	_____	3		ELEC	_____	3	
BoK	_____	3		Total		21	
BoK	_____	3					
BoK	_____	3					
COOP 120	Practice Eval #	_____					
Total		27					

11U	_____
11A	_____
12W	_____
12S	_____

Choose electives from:  
All 400-600 Mat courses  
All 300-600 ChE courses  
All 400-600 CoE courses  
Mat or ChE 700 level --  
GPA >= 3.0; petition reqrd