

Engineering – Materials Concentration
2017-2019 Undergraduate Catalog (Supplement)

Semester 1 - Fall				
	Credits	Major	Other	GEP
ENES 100 – Intro to Engineering Design	3	TF		
ENGL 101 – First-Year Composition	3			CS1
MATH 236 – Calculus I	4	X		CS3
PHYS 261 – Physics I	4	X		C
ORIE 101 – Intro to Higher Education	1		X	
Semester Total	15			

Semester 2 - Spring				
	Credits	Major	Other	GEP
**Spring Only				
ENES 102** - Statics	3	X		
IDIS 150 – First-Year FSU Colloquia	3			E
MATH 237 – Calculus II	4	X		
PHYS 262 – Physics II	4	X		
GEP Fine & Performing Arts	3			A
Semester Total	17			

Semester 3 - Fall				
	Credits	Major	Other	GEP
*Fall Only				
ENES 220* - Mechanics of Materials	3	X		
ENES 221* - Dynamics	3	X		
MATH 238 – Calculus III	4	X		
PHYS 263 – Physics III	4	X		
Semester Total	14			

Semester 4 - Spring				
	Credits	Major	Other	GEP
**Spring Only				
ENEE 114** - Programming Concepts	4	X		
ENME 232** Thermodynamics	3	X		
MATH 432 – Differential Equations	3	X		
PHYS 264 – Physics IV	3	X		
GEP Identity & Difference	3			F
Semester Total	16			

Semester 5 - Fall				
	Credits	Major	Other	GEP
*Fall Only				
CHEM 201 – General Chemistry I	4	X		C
ENME 272 – Intro to C.A.D.	2	X		
ENME 331* - Fluid Mechanics	3	X		
ENME 350* - Electronics & Instrument I	3	X		
GEP Humanities	3			B
Semester Total	15			

Semester 6 - Spring				
	Credits	Major	Other	GEP
**Spring Only				
ENME 332** - Transfer Processes	3	X		
ENME 351** - Electro. & Instruments II	3	X		
ENME 382** - Materials & Mfg.	3	X		
ENES 401** - Energy Engineering	3	X		
GEP Social Science	3			D
Semester Total	15			

Semester 7 - Fall				
	Credits	Major	Other	GEP
*Fall Only				
ENME 405* - Materials Engineering	4	X		
ENES 491* - Seminar	2	X		
ENGL 3xx – Advanced Writing	3			CS2
GEP Social Science	3			D
Engineering Elective (1 of 2)	3	X		
Semester Total	15			

Semester 8 - Spring				
	Credits	Major	Other	GEP
**Spring Only				
ENME 410** - Capstone Design	3	X		
ENME 425** - Microfabrication	3	X		
GEP FSU Colloquia II	3			E
GEP Humanities	3			B
Engineering Elective (2 of 2)	3	X		
Semester Total	15			