

Semester 1 - Fall					Semester 2 - Spring				
*Fall Only **Gateway Course (earn B or better)	Credits	Major	Other	GEP	*Spring Only **Gateway Course (earn B or better)	Credits	Major	Other	GEP
ENES 100 – Intro to Engineering Design	3	X	TF		ENES 102* – Statics	3	X		
PHYS 261** - Physics I: Mechanics	4	X		NS1	PHYS 262 - Physics II: Thermo, Elec. & Mag.	4	X		
MATH 236 – Calculus I	4	X			MATH 237** - Calculus II	4	X		
ENGL 101 – Freshman Composition	3			CS1	CHEM 201 – General Chem. I	4			NS2
ORIE 101* – Orientation	1		X						
Total	15				Total	15			

Semester 3 - Fall					Semester 4 - Spring				
*Fall only **Gateway Course (earn C or better)	Credits	Major	Other	GEP	*Spring only APPLY TO UMD by March 1	Credits	Major	Other	GEP
CHEM 133** – Gen. Chem. for Engrs.	4	X			MATH 432 – Differential Equations	3	X		
PHYS 263 – Physics II: Sound/Light	4	X			PHYS 264 – Physics IV: Mod Phys	3	X		
ENES 221* – Dynamics	3	X			ENME 271* – Numerical Methods	3	X		
MATH 238 – Calculus III	4	X			ENME 232* – Thermodynamics	3	X		
ENES 220* – Mechanics of Materials	3	X			GEP Social Science	3			D
					FSU Colloquium I	3			E
Total	17				Total	18[^]			

Semester 5 - Fall					Semester 6 - Spring				
*Fall Only	Credits	Major	Other	GEP	* Spring Only	Credits	Major	Other	GEP
ENME 331* – Fluid Mechanics	3	X			ENME 382* – Engineer Materials	3	X		
ENME 350* – Electronics & Instr. I	3	X			ENME 351* – Electronics & Instr. II	3	X		
ENME 392 – Stat Meth of Prod.	3	X			ENME 361* – Vib, Contr, and Opt I	3	X		
GEP Social Science	3			D	ENGL 338 – Technical Writing	3	X		CS2
GEP Humanities	3			B	ENME 400-level Elective	3	X		
ENME 272* – Intro to C.A.D.	2	X			GEP Humanities	3			B
Total	17				Total	18			

Semester 7 - Fall					Semester 8 - Spring				
*Fall Only	Credits	Major	Other	GEP	*Spring Only	Credits	Major	Other	GEP
ENME 371* – Prod. Engr. & Manufac.	3	X			ENME 332* – Transfer Processes	3	X		
ENME 400* – Machine Design	3	X			ENME 472* – Int. Product and Proc	3	X		
ENME 462* – Vib, Contr and Optim II	3	X			Non-ME Technical Electives	6	X		
ENME 400-level Elective	6	X			GEP Identity & Difference	3			F
IDIS 350 FSU Colloquia II	3			E	GEP Fine Arts	3			A
Total	18				Total	18			

[^] Note: student must take overload in sophomore spring or take GEP summer/intersession course