

## GENERAL ENGINEERING

### Recommended course plan

YEAR	FIRST SEMESTER	HOURS	SECOND SEMESTER	HOURS
<b>FRESHMAN</b>	Writ 101 – First Year Writing I	3	Writ 102 – First Year Writing II	3
	Chem 105/115 – General Chemistry I, Lab	4	Chem 106/116 – General Chemistry II, Lab	4
	Math 261 – Calculus I	3	Math 262 – Calculus II	3
	ENGR 100 – Intr. to Engineering	3	CSCI 251 – Programming for Engineering	3
	Fine Arts, Humanities or Social Science	3	Fine Arts, Humanities or Social Science	3
	<b>TOTAL CREDIT HOURS</b>	<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>16</b>
<b>SOPHOMORE</b>	Math 263 – Calculus III	3	Math 264 – Calculus IV	3
	Phys 211/221 – Calc-based Physics, Lab	4	Math 353 – Differential Equations	3
	ENGR 309 – Statics	3	Phys 212/222 – Calc-based Physics, Lab	4
	Emphasis Course	3	ENGR 321 – Thermodynamics	3
	Fine Arts, Humanities or Social Science	3	Emphasis Course	3
	<b>TOTAL CREDIT HOURS</b>	<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>16</b>
<b>JUNIOR</b>	ENGR 313 – Materials Science	3	ENGR 323 – Fluid Mechanics	3
	ENGR 314 – Materials Sciences Lab	1	ENGR 310 – Engineering Analysis I	3
	ENGR 360 – Electric Circuit Theory	3	ENGR 361 – Electric Circuit Theory Lab	1
	Emphasis Course	3	Emphasis Course	3
	Engr 312 – Mechanics of Materials	3	Emphasis Course	3
	Fine Arts, Humanities or Social Science	3	ENGR Elective (200 or higher)	3
	<b>TOTAL CREDIT HOURS</b>	<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>16</b>
<b>SENIOR</b>	ENGR 330 – Engineering Systems Analysis	3	ENGR 450 – Project Design & Development	3
	ENGR 400 – Leadership & Professionalism	1	Emphasis Course	3
	ECON 310 – Engineering Economy	3	ENGR Elective (300 or higher)	3
	MANF 460 – Intro to Project Mgmt.	3	ENGR Elective (300 or higher)	3
	Emphasis Course	3	Social Science, Humanities, Fine Arts or General Education	3
	ENGR Elective (300 or higher)	3		
	<b>TOTAL CREDIT HOURS</b>	<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>
			<b>MINIMUM TOTAL CREDIT HOURS</b>	<b>127</b>



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