

## GEOLOGICAL ENGINEERING

### Recommended course schedule

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	4	Chem 106/116 – General Chemistry II	4
	Math 261 – Calculus I	3	Math 262 – Calculus II	3
	Geol 103 – Earth Dynamics	4	Geol 106 – Earth History	2
			Social Science	3
	<b>TOTAL CREDIT HOURS</b>	<b>14</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>
<b>SOPHOMORE</b>	Math 263 – Calculus III	3	Math 264 – Calculus IV	3
	Phys 211/221 – Calc-based Physics I	4	Phys 212/222 – Calc-based Physics II	4
	Geol 225 – Mineralogy & Elementary Petrology	5	Geol 314 – Sedimentology and Stratigraphy	4
	ENGR 309 - Statics	3	ENGR 340 – Engineering Geology	3
			ENGR 312 – Mechanics of Materials	3
			GE 301 – Field Camp I (Summer)	3
	<b>TOTAL CREDIT HOURS</b>	<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>17+3</b>
<b>JUNIOR</b>	ENGR 310 – Engineering Analysis I	3	Geol 303 – Structural and Tectonic Geology	3
	Geol 305 – Geomorphology	3	GE 405 – Engineering Geophysics	4
	GE 470 – Intro. to Geographic Info System	3	GE 540 – Rock Mechanics	3
	Math 353 – Differential Equations	3	ENGR 321 – Thermodynamics	3
	CSCI 251 – Programming for Engineering	3	ENGR 323 – Fluid Mechanics	3
	Fine Arts	3	GE 401 – Field Camp II (Summer)	3
		<b>TOTAL CREDIT HOURS</b>	<b>18</b>	<b>TOTAL CREDIT HOURS</b>
<b>SENIOR</b>	GE 450 – Hydrogeology	4	GE 421 – Geol. Engr. Design	4
	GE 420 – Subsurface Site Characterization	4	CE 431 – Soil Mechanics	3
	CE 472 – Water Resources Engr.	3	ECON 310 – Engineering Economy	3
	Humanities or Fine Arts	3	GE Tech Elective	3
	Humanities	3	General Elective	3
	<b>TOTAL CREDIT HOURS</b>	<b>17</b>	<b>TOTAL CREDIT HOURS</b>	<b>16</b>
<b>MINIMUM TOTAL CREDIT HOURS</b>				<b>134</b>



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