

**College of Science and Mathematics**

**Department:** Physics

**Major Program:** Bachelor of Science in Physics: Geology Option

**Minor Program:**

**Certificate Program:**

Current	
	Hours
<b>I. General Education</b>	40
Required Substitutions: MTH 229 and 230 PHY 240/200, 242/202, 244/204	
<b>Area VI:</b> Choose one <b>AFS 200, ATH 241, ATH 242, HST 220, HST 221, PHL 200, FIN 205, EH 205, PSY 110, SM205</b>	
<b>II. Departmental Core Requirements</b>	
PHY 240/200, 242/202, 244/204	16
PHY 260, 371, 372	10
PHY 315, 316, 322	10
PHY 420, 450, 451, 452, 460, 461, 462	25
<b>PHY 494 or PHY499</b>	6
<b>III. Related Course Requirements</b>	
MTH 229, 230, 231, 232, 233, 253 or 255	28
MTH 332, 333	6
<b>CHM 121, 122, 123</b>	15
EGR 153 or equivalent	4
<b>IV. Geology Option Requirements</b>	
<b>GL 251, 253</b>	6
<b>GL 252, 254</b>	3
PHY 422, 423, 424	13
<b>Electives chosen from: GL 255, 311, 333, 420, 450, 463</b>	12
<b>Total</b>	<b>194</b>

New	
	Hours
<b>I. General Education</b>	40
Required Substitutions: MTH 229 and 230 PHY 240/200, 242/202, 244/204	
<b>Area VI:</b> Choose one <b>EES260, PSY 110, SM205</b>	
<b>II. Departmental Core Requirements</b>	
PHY 240/200, 242/202, 244/204	16
PHY 260, 371, 372	10
PHY 315, 316, 322	10
PHY 420, 450, 451, 452, 460, 461, 462	24
<b>PHY494</b>	6
<b>III. Related Course Requirements</b>	
MTH 229, 230, 231, 232, 233, 253 or 255	28
MTH 332, 333	6
<b>CHM 121/125, 122/126, 123/127</b>	15
EGR 153 or equivalent	4
<b>IV. Geology Option Requirements</b>	
<b>EES 251, 253</b>	6
<b>EES 252, 254</b>	3
PHY 422, 423, 424	13
<b>Electives chosen from: EES 255, 421, 417, 420, 450, 463</b>	13
<b>Total</b>	<b>194</b>

**Notes:**