

## SUGGESTED PROGRAM – BACHELOR OF SCIENCE IN GEOPHYSICS

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### Suggested Program - Bachelor of Science in Geophysics

#### FIRST YEAR

Fall Semester Suggested Program	
Courses	Hours
<b>ENGL 1303.</b> First Year Writing I	3
<b>CHEM 1111.</b> Fundamentals of Chemistry Laboratory	1
<b>CHEM 1331.</b> Fundamentals of Chemistry	3
<b>GEOL 1130.</b> Physical Geology Laboratory	1
<b>GEOL 1330.</b> Physical Geology	3
<b>MATH 1431.</b> Calculus I	4
<b>Total</b>	<b>15</b>

  

Spring Semester Suggested Program	
Courses	Hours
<b>ENGL 1304.</b> First Year Writing II	3
<b>CHEM 1112.</b> Fundamentals of Chemistry Laboratory	1
<b>CHEM 1332.</b> Fundamentals of Chemistry	3
<b>MATH 1432.</b> Calculus II	4
Elective ( <b>GEOL 1376, 1176.</b> Historical Geology and Lab recommended)	4
<b>Total</b>	<b>15</b>

#### SECOND YEAR

Fall Semester Suggested Program	
Courses	Hours
<b>GEOL 3370.</b> Mineralogy	3
<b>MATH 2433.</b> Calculus III	4
<b>PHYS 1121.</b> Physics I Laboratory	1
<b>PHYS 1321.</b> University Physics I	3
<b>HIST 1377.</b> The United States to 1877 or equivalent	3
Core Curriculum Elective	3

<b>Total</b>	<b>17</b>
<b>Spring Semester Suggested Program</b>	
<b>Courses</b>	<b>Hours</b>
<b>GEOL 3340.</b> Geologic Field Methods	3
<b>GEOL 3372.</b> Petrography	3
<b>MATH 3321.</b> Engineering Math	3
<b>PHYS 1122.</b> Physics Laboratory II	1
<b>PHYS 1322.</b> University Physics II	3
<b>HIST 1378.</b> The United States Since 1877 or equivalent	3
<b>Total</b>	<b>16</b>

### THIRD YEAR

<b>Fall Semester Suggested Program</b>	
<b>Courses</b>	<b>Hours</b>
<b>GEOL 4330.</b> Introduction to Geophysics	3
<b>GEOL 3150.</b> Principles of Stratigraphy Laboratory	1
<b>GEOL 3350.</b> Principles of Stratigraphy	3
<b>POLS 1336.</b> U.S. and Texas Constitutions and Politics or equivalent	3
Advanced Geophysics Elective	3
<b>Total</b>	<b>13</b>
<b>Spring Semester Suggested Program</b>	
<b>Courses</b>	<b>Hours</b>
<b>GEOL 3145.</b> Structural Geology Laboratory	1
<b>GEOL 3345.</b> Structural Geology	3
<b>MATH 3363.</b> Introduction to Partial Differential Equations	3
<b>POLS 1337.</b> U.S. Government: Congress, President and Courts or equivalent	3
Advanced Geophysics Elective	3
Core Curriculum Elective	3
<b>Total</b>	<b>16</b>

### FOURTH YEAR

<b>Fall Semester Suggested Program</b>	
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<b>Courses</b>	<b>Hours</b>
Advanced Geoscience Elective	3
Advanced Geophysics Elective	3
Core Curriculum Elective	3
Approved Elective (NSM Capstone Requirement)	3
<b>MATH 3364.</b> Introduction to Complex Analysis	3
<b>Total</b>	<b>15</b>

**Spring Semester Suggested Program**

<b>Courses</b>	<b>Hours</b>
Advanced Geoscience Elective	3
Advanced Geophysics Elective	3
Core Curriculum Elective	3
Approved Elective	1
Approved Elective (NSM Capstone Requirement)	3
<b>Total</b>	<b>13</b>