

# GEOLOGY - BA

## Program Requirements

### First Year

Fall		Semester Credit Hours
CHEM 119	Fundamentals of Chemistry I	4
ENGL 104	Composition and Rhetoric	3
GEOL 104	Physical Geology	4
MATH 168	Finite Mathematics	3
Semester Credit Hours		14

### Spring

CHEM 120	Fundamentals of Chemistry II	4
GEOL 106	Historical Geology	4
Select one of the following:		3
MATH 142	Business Calculus	
MATH 151	Engineering Mathematics I	
MATH 171	Calculus I	
Communication elective ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication</a> )		3
Semester Credit Hours		14

### Second Year

Fall		
GEOL 203	Mineralogy	4
GEOP 341	Fundamentals of Geophysics	3
PHYS 201	College Physics	4
Minor elective <sup>1</sup>		3
Semester Credit Hours		14

### Spring

GEOL 302	Introduction to Petrology	4
GEOL 309	Introduction to Geological Field Methods	3
PHYS 202	College Physics	4
Minor elective <sup>1</sup>		3
Semester Credit Hours		14

### Third Year

Fall		
Select one of the following:		3
American history ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> )		
Government/Political science ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science</a> )		
Geology elective ( <a href="http://catalog.tamu.edu/undergraduate/course-descriptions/geol/">http://catalog.tamu.edu/undergraduate/course-descriptions/geol/</a> ) <sup>2</sup>		4
Minor elective <sup>1</sup>		3
Social and behavioral science elective ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#social-behavioral-sciences">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#social-behavioral-sciences</a> ) <sup>4</sup>		3
Technical elective <sup>3</sup>		4
Semester Credit Hours		17

### Spring

GEOL 306	Sedimentology and Stratigraphy	4
GEOL 311	Principles of Geological Writing	1
GEOL 312	Structural Geology and Tectonics	4
Select one of the following:		3
American history ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> )		
Government/Political science ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science</a> )		
Geology elective ( <a href="http://catalog.tamu.edu/undergraduate/course-descriptions/geol/">http://catalog.tamu.edu/undergraduate/course-descriptions/geol/</a> ) <sup>2</sup>		4
Semester Credit Hours		16

### Summer

GEOL 330	Geologic Field Trips	3
Semester Credit Hours		3

### Fourth Year

Fall		
Select one of the following:		3
American history ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> )		
Government/Political science ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science</a> )		
Creative arts elective ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts</a> ) <sup>4</sup>		3
General elective <sup>5</sup>		3
Geology elective ( <a href="http://catalog.tamu.edu/undergraduate/course-descriptions/geol/">http://catalog.tamu.edu/undergraduate/course-descriptions/geol/</a> ) <sup>2</sup>		4
Minor elective <sup>1</sup>		3
Semester Credit Hours		16

### Spring

Select one of the following:		3
American history ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> )		
Government/Political science ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science</a> )		
General elective <sup>5</sup>		3
Language, philosophy and culture elective ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture</a> ) <sup>4</sup>		3
Minor elective <sup>1</sup>		3
Semester Credit Hours		12
Total Semester Credit Hours		120

<sup>1</sup> Fifteen hours of electives must be selected in a minor. Electives must be chosen in consultation with advisor.

<sup>2</sup> Any 300- or 400-level geology or geophysics course not already required.

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<sup>3</sup> Any science, math, engineering or social science course that augments the degree with the approval of the advisor.

<sup>4</sup> Three hours must be selected from courses that also satisfy the International and Cultural Diversity (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/international-cultural-diversity-requirements/>) requirement and three hours must be selected from courses that also satisfy the Cultural Discourse (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/cultural-discourse-requirements/>) requirement.

<sup>5</sup> General electives may not include STLC 100-499; SLCX 100-499; DEVS 100-499; ENGL 103; GEOL 101-104 (<http://catalog.tamu.edu/undergraduate/course-descriptions/geol/>); KINE 198, KINE 199; MATH 102, MATH 142, MATH 150, MATH 151, MATH 168, MATH 171; AERS 100-499 (<http://catalog.tamu.edu/undergraduate/course-descriptions/aers/>); MLSC 100-499 (<http://catalog.tamu.edu/undergraduate/course-descriptions/mlsc/>); NVSC 100-499 (<http://catalog.tamu.edu/undergraduate/course-descriptions/nvsc/>); SOMS 100-499 (<http://catalog.tamu.edu/undergraduate/course-descriptions/soms/>).