

# UNIVERSITY STUDIES - BS, SCIENCE FOR SECONDARY TEACHING CONCENTRATION

## Program Requirements

Code	Title	Semester Credit Hours
ATMO 201	Weather and Climate <sup>1</sup>	3
CHEM 119	Fundamentals of Chemistry I	4
CHEM 120	Fundamentals of Chemistry II	4
PHYS 202	College Physics <sup>1</sup>	4
Select one of the following: <sup>1</sup>		4
ASTR 101	Basic Astronomy	
	& ASTR 102 and Observational Astronomy	
ASTR 111	Overview of Modern Astronomy	
Select one of the following: <sup>1</sup>		4
PHYS 201	College Physics	
PHYS 206	Newtonian Mechanics for	
	& PHYS 226 Engineering and Science	
	and Physics of Motion Laboratory	
	for the Sciences	
Select one of the following: <sup>1</sup>		4
GEOL 101	Principles of Geology	
	& GEOL 102 and Principles of Geology	
	Laboratory	
GEOG 203	Planet Earth	
	& GEOG 213 and Planet Earth Lab	
Select 12 hours from the following: <sup>2</sup>		12
BIOL 300-499 ( <a href="http://catalog.tamu.edu/undergraduate/course-descriptions/biol/">http://catalog.tamu.edu/undergraduate/course-descriptions/biol/</a> )		
CHEM 300-499 ( <a href="http://catalog.tamu.edu/undergraduate/course-descriptions/chem/">http://catalog.tamu.edu/undergraduate/course-descriptions/chem/</a> )		
GEOG 300-499 ( <a href="http://catalog.tamu.edu/undergraduate/course-descriptions/geog/">http://catalog.tamu.edu/undergraduate/course-descriptions/geog/</a> )		
GEOL 300-499 ( <a href="http://catalog.tamu.edu/undergraduate/course-descriptions/geol/">http://catalog.tamu.edu/undergraduate/course-descriptions/geol/</a> )		
OCNG 300-499 ( <a href="http://catalog.tamu.edu/undergraduate/course-descriptions/ocng/">http://catalog.tamu.edu/undergraduate/course-descriptions/ocng/</a> )		
PHYS 300-499 ( <a href="http://catalog.tamu.edu/undergraduate/course-descriptions/phys/">http://catalog.tamu.edu/undergraduate/course-descriptions/phys/</a> )		

### University and College Requirements

ATMO 202	Weather and Climate Laboratory	1
BIOL 111	Introductory Biology I	4
BIOL 112	Introductory Biology II	4
POLS 206	American National Government <sup>3</sup>	3
POLS 207	State and Local Government <sup>3</sup>	3
Select one of the following:		4
MATH 147	Calculus I for Biological Sciences	
MATH 151	Engineering Mathematics I	
MATH 171	Calculus I	
Select one of the following:		3
MATH 148	Calculus II for Biological Sciences	

MATH 152	Engineering Mathematics II	
MATH 172	Calculus II	
STAT 201	Elementary Statistical Inference	
Select one of the following:		3
INST 210	Understanding Special Populations	
INST 222	Foundations of Education in a Multicultural Society	
SOCI 217	Introduction to Race and Ethnicity	
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> )		6
Communication ( <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> )		6
Creative arts ( <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> )		3
Language, philosophy and culture ( <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> )		3
Minor 1		15-18
Minor 2		15-18
General electives <sup>4</sup>		2-8
<b>Total Semester Credit Hours</b>		<b>120</b>

<sup>1</sup> Must make a grade of C or better.

<sup>2</sup> Selection should be from courses from which prerequisites have been satisfied.

<sup>3</sup> Completion of four semesters of upper-level ROTC may be substitute for three hours of this requirement.

<sup>4</sup> Select from any 100-499 not used elsewhere.

Graduation requirements include a requirement for 3 hours of International and Cultural Diversity (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/international-cultural-diversity-requirements/>) courses and 3 hours of Cultural Discourse (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/cultural-discourse-requirements/>) courses. A course satisfying a Core category, a college/department requirement, or a general elective can be used to satisfy this requirement. See academic advisor.