UNIVERSITY STUDIES - BS, SCIENCE FOR SECONDARY TEACHING CONCENTRATION

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATMO 201</td>
<td>Weather and Climate</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 119</td>
<td>Fundamentals of Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 120</td>
<td>Fundamentals of Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 202</td>
<td>College Physics</td>
<td>4</td>
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</tbody>
</table>

Select one of the following: ^1

- ASTR 101 Basic Astronomy
- ASTR 102 Observational Astronomy
- ASTR 111 Overview of Modern Astronomy

Select one of the following: ^2

- PHYS 201 College Physics
- PHYS 206 Newtonian Mechanics for Engineering and Science
- PHYS 226 Physics of Motion Laboratory for the Sciences

Select 12 hours from the following: ^2

- BIOL 300-499 (http://catalog.tamu.edu/undergraduate/course-descriptions/biol/)
- CHEM 300-499 (http://catalog.tamu.edu/undergraduate/course-descriptions/chem/)
- GEOG 300-499 (http://catalog.tamu.edu/undergraduate/course-descriptions/geog/)
- GEOL 300-499 (http://catalog.tamu.edu/undergraduate/course-descriptions/geol/)
- OCNG 300-499 (http://catalog.tamu.edu/undergraduate/course-descriptions/ocng/)
- PHYS 300-499 (http://catalog.tamu.edu/undergraduate/course-descriptions/phys/)

University and College Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATMO 202</td>
<td>Weather and Climate Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 111</td>
<td>Introductory Biology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 112</td>
<td>Introductory Biology II</td>
<td>4</td>
</tr>
<tr>
<td>POLS 206</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>POLS 207</td>
<td>State and Local Government</td>
<td>3</td>
</tr>
</tbody>
</table>

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: ^4

- 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 (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history) 6

Communication (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication) 6

Creative arts (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts) 3

Language, philosophy and culture (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture) 3

Minor 1 15-18
 Minor 2 15-18
 General electives ^4 2-8

Total Semester Credit Hours 120

1. Must make a grade of C or better.
2. Selection should be from courses from which prerequisites have been satisfied.
3. Completion of four semesters of upper-level ROTC may be substitute for three hours of this requirement.
4. 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.