UNIVERSITY STUDIES - BS, MATHEMATICS FOR TEACHING CONCENTRATION

Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 300</td>
<td>Foundations of Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 304</td>
<td>Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 32</td>
<td>or Linear Algebra</td>
<td></td>
</tr>
<tr>
<td>MATH 375</td>
<td>Intermediate Real Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MATH 376</td>
<td>Intermediate Abstract Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 403</td>
<td>Mathematics and Technology</td>
<td>3</td>
</tr>
<tr>
<td>MATH 467</td>
<td>Modern Geometry</td>
<td>1</td>
</tr>
<tr>
<td>STAT 211</td>
<td>Principles of Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one of the following:

- MATH 147 Calculus I for Biological Sciences
- MATH 151 Engineering Mathematics I
- MATH 171 Calculus I

Select one of the following:

- MATH 148 Calculus II for Biological Sciences
- MATH 152 Engineering Mathematics II
- MATH 172 Calculus II

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

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

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

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

Life and physical sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences)

Social and behavioral sciences (http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#social-behavioral-sciences)

Minor 1 15-18

Minor 2 15-18

General Electives 3 19-25

Total Semester Credit Hours 120

1 Must make a grade of C or better.
2 Completion of four semesters of upper-level ROTC may be substituted for three hours of the requirement.
3 Select from any 100-499 course not used elsewhere, (except ALED 125; ASCC 102; ASTR 109/PHYS 109, ASTR 119/PHYS 119; BMEN 101; ISEN 101; KINE 199; LAND 101; MATH 102-148, MATH 151-166 (http://catalog.tamu.edu/undergraduate/course-descriptions/math/), MATH 304, MATH 309, MATH 311, MATH 365, MATH 366, MATH 367, MATH 375, MATH 376; PHYS 109/ASTR 109, PHYS 119/ASTR 119, PHYS 201, PHYS 202, PHYS 205; PSYC 301; STAT 201, STAT 301 - 303 (http://catalog.tamu.edu/undergraduate/course-descriptions/stat/); WFSC 101).

Maximum of 3 hours of MATH 300 or CSCE 222/ECEN 222 may be used in this degree program.

Maximum of 3 hours of MATH 411 or STAT 414 may be used in this degree program.

Maximum of 4 hours of MATH 417, MATH 437 or CSCE 442 may be used in this degree program.

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/international-cultural-diversity-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.