BS in Mathematics

2010-2011

**CORE:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MATH 21</td>
<td>4</td>
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<td>MATH 22</td>
<td>4</td>
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<td>MATH 121</td>
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<td>MATH 52</td>
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<td>MATH 124</td>
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<td>MATH 241</td>
<td>3</td>
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<tr>
<td>MATH 251</td>
<td>3</td>
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<tr>
<td>CS 21</td>
<td>3</td>
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</tbody>
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**Credits:**

Calculus 1
Calculus 2
Calculus 3
Fundamentals of Mathematics
Linear Algebra
Analysis in Several Real Variables I
Abstract Algebra I
Computer Programming 1

**MAJOR COURSES:**

A minimum of 21 credit hours of MATH, STAT or CS numbered 100 or above. At least 12 must be numbered 200 or above and no more than 12 hours may be chosen from CS.

**Credits:**

21

**ALLIED FIELD:**

24 credit hours with at least 6 credits numbered 100 or above and at least 6 credits in fields 1, 2, 3, 4, or 5. Absolutely no courses from the 'major courses' above can be used to fulfill an allied field requirement. There is no overlapping!

1. Physical Sciences
2. Biological Sciences
3. Medical Sciences
4. Engineering
5. Computer Science (64 or higher)
6. Agricultural Sciences
7. Business Administration
8. Psychology
9. Economics
10. Environmental Sciences/Studies
11. Natural Resources

**Credits:**

24

**HUMANITIES & SOCIAL SCIENCE:**

English 1 plus 21 credit hours of HSS from categories I, II, & III. At least 6 credit hours must be taken in at least 2 different categories.

**Category I:** Chinese, Classics, English, French, General Literature, German, Greek, Hebrew, Italian, Linguistics, Russian, Spanish, World Literature.

**Category II:** Art, Film, Music, Philosophy, Religion, Speech, Theater.

**Category III:** Anthropology, Area & International Studies, Communication Sciences, Economics, Geography, History, Political Science, Psychology, Sociology, Vermont Studies, Women's Studies.

**Credits:**

24

**ADDITIONAL CREDITS:**

99 credits are defined above. Total credits required for graduation are 120, including two three credit courses satisfying the University Diversity requirement. Check to be sure that this requirement has been met.