



| General Education Requirements                   |              |  |              |
|--|--------------|--|--------------|
| Course Name/ #                                   | Credit Hours | Course Name/#                          | Credit Hours |
| <b>English</b>                                   |              | <b>Humanities</b>                      |              |
| ENGL 1157  | 3            | Foreign Language Sequence <sup>1</sup> | 6            |
| ENGL 1158 or 1159 <sup>2</sup>                   | 3            | Literature <sup>3</sup>                | 3            |
| <b>Mathematics</b>                               |              | <b>Social Sciences</b>                 |              |
| Calculus Sequence MATH 2114, 2124 <sup>4,5</sup> | 8            | Social Sciences elective <sup>3</sup>  | 6            |
| <b>Science</b>                                   |              | <b>Arts</b>                            |              |
| BIOS   | 3            | Arts elective <sup>6</sup>             | 3            |
| Physics 1061 and 1062                            | 6            |  |              |
| <b>Total</b>                                     |              |  | <b>39</b>    |

| Other Requirements                       |              |                                |                       |
|--|--------------|--------------------------------|-----------------------|
| Course Name/ #                           | Credit Hours | Course Name/#                  | Credit Hours          |
| Computer science 1205 or (1581 and 1583) | 3-4          | Science Electives <sup>7</sup> | 11-12                 |
| Physics 1063, 1065                       | 2            | General Electives              | 25                    |
| <b>Total</b>                             |              |                                | <b>44<sup>8</sup></b> |

| Course Requirements for Major |              |                   |              |
|-------------------------------|--------------|-------------------|--------------|
| Course Name/ #                | Credit Hours | Course Name/#     | Credit Hours |
| Mathematics 2134              | 4            | Mathematics 4511  | 3            |
| Mathematics 2221 or 2314      | 3            | Mathematics 3000+ | 6            |
| Mathematics 3511              | 3            | Mathematics 4000+ | 9            |
| Mathematics 3512              | 3            | Mathematics 3900  | 0            |
| Mathematics 4101 <sup>9</sup> | 3            | Mathematics 3721  | 3            |
| <b>Total</b>                  |              |                   | <b>37</b>    |

| Total Credit Hours Required |
|-----------------------------|
| <b>120</b>                  |

| Additional Requirement  |
|---|
| Minimum grade of C in all science courses (BIOS, CHEM, CSCI, EES, MATH, PHYS, PSYC) |
| First time, full time students must complete UNIV 1001 (1 cr hr)                    |

<sup>1</sup> Foreign language must include a six hour sequence in one language. French, German, or Russian is recommended for students planning graduate studies.

<sup>2</sup> "C" or better required

<sup>3</sup> Check General Education Courses to confirm what courses fulfill this requirement.

<sup>4</sup> 6 credits of Math satisfy the general education requirements

<sup>5</sup> Students not adequately prepared to enter a calculus sequence must take appropriate pre-calculus courses without credit toward graduation. The mathematics department determines placement for mathematics classes.

<sup>6</sup> FTCA (theatre/dance/film related course), FA or MUS



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<sup>7</sup> At least 6 of these credits must not be mathematics courses in the College of Sciences. 6 credits can be engineering courses.

1 less credit is required if the student took CSCI 1581 and CSCI 1583 (rather than CSCI 1205.) The College of Sciences maintains a list of approved science electives. Note that many low level classes are not permitted.

<sup>8</sup> Includes 2 credits of Math listed in general education requirements section

<sup>9</sup> Students interested in graduate studies in mathematics are strongly advised to take Math 4102.