



| General Education Requirements |              |                                       |              |
|--------------------------------|--------------|---------------------------------------|--------------|
| Course Name/ #                 | Credit Hours | Course Name/#                         | Credit Hours |
| <b>English</b>                 |              | PHYS 1062                             | 3            |
| ENGL 1157                      | 3            | <b>Humanities</b>                     |              |
| ENGL 1158 or 1159              | 3            | Humanities Electives <sup>1</sup>     | 6            |
| <b>Mathematics</b>             |              | Literature                            | 3            |
| MATH 2114 <sup>2,3</sup>       | 4            | <b>Social Sciences</b>                |              |
| MATH 2124 <sup>2,3</sup>       | 4            | Social Sciences elective <sup>1</sup> | 6            |
| <b>Science</b>                 |              | <b>Arts</b>                           |              |
| BIOS 1083                      | 3            | Arts elective <sup>1</sup>            | 3            |
| PHYS 1061                      | 3            |                                       |              |
| <b>Total</b>                   |              |                                       | <b>39</b>    |

| Other Requirements                  |              |  |                       |
|-------------------------------------|--------------|--|-----------------------|
| Course Name/ #                      | Credit Hours | Course Name/#                              | Credit Hours          |
| Approved MATH Elective <sup>4</sup> | 3            | CHEM 2017                                  | 1                     |
| BIOS 1081                           | 1            | CHEM 2025                                  | 3                     |
| BIOS 2114                           | 4            | CHEM 2117                                  | 3                     |
| CHEM 1000                           | 1            | CHEM 2217                                  | 3                     |
| CHEM 1007                           | 1            | Computer Programming Elective <sup>5</sup> | 3                     |
| CHEM 1008                           | 1            | PHYS 1063 <sup>6</sup>                     | 1                     |
| CHEM 1017                           | 3            | PHYS 1065 <sup>7</sup>                     | 1                     |
| CHEM 1018                           | 3            | General Electives                          | 17                    |
| <b>Total</b>                        |              |  | <b>51<sup>8</sup></b> |

| Course Requirements for Major |              |  |              |
|-------------------------------|--------------|--|--------------|
| Course Name/ #                | Credit Hours | Course Name/#                            | Credit Hours |
| CHEM 2000                     | 1            | CHEM 3411                                | 3            |
| CHEM 3018                     | 3            | CHEM 4000                                | 0            |
| CHEM 3027                     | 3            | Advanced Chemistry Elective <sup>9</sup> | 3            |
| CHEM 3094                     | 4            | Advanced Chemistry Elective <sup>9</sup> | 3            |
| CHEM 3218                     | 1            | Advanced Chemistry Elective <sup>9</sup> | 3            |
| CHEM 3310                     | 3            | Advanced Chemistry Elective <sup>9</sup> | 3            |
| <b>Total</b>                  |              |  | <b>30</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)                    |

This degree program is approved by the American Chemical Society (ACS). The department is authorized to certify that graduating students have completed a bachelor's degree meeting the ACS guidelines.

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<sup>1</sup>Check General Education Courses to confirm what courses fulfill this requirement.

<sup>2</sup>6 credits of Math satisfy listed in general education.

<sup>3</sup>Completion of MATH 2107, 2108 and 2 credits of general electives fulfills the requirement for MATH 2114, 2124.

Completion of Math 2111, MATH 2112 and 1 credit of general electives fulfills all the math requirements for the BS degree.

<sup>4</sup> Must be taken from the following: MATH 2134, 2314, 3511. MATH 1125 and 1126 may be used as general elective hours.

<sup>5</sup> The programming requirement can be fulfilled by CSCI 1201, 1203, 1205, 1581/1583 or CHEM 2310.

<sup>6</sup> PHYS 1033 can be used to replace PHYS 1063.

<sup>7</sup> PHYS 1034 can be used to replace PHYS 1065.

<sup>8</sup> Includes 2 credits of Math listed in General Education Requirements section.

<sup>9</sup> Must be taken from the following: CHEM 3096, 3110, 3610, 3710, 4110, 4210, 4310, 4311, 4410, 4510, 4511; BIOS 4103, 4113, 4153, 4334, 4490 (approval required); 4713; 3 cr. hr. must be at the 4000 level.