

# 2017-18 Degree Plan

## Chemistry, BS

College of Arts & Sciences: Department of Chemistry and Chemical Biology (4 Year

| Plan)  |                                       |           |               |       |
|--------|---------------------------------------|-----------|---------------|-------|
| Term 1 | Hours Towards Degree: 16              | Hours     | Minimum Grade | Notes |
|        | CHEM 121: General Chemistry I         | 3         | C             |       |
|        | CHEM 123L: General Chemistry I Lab    | 1         | C             |       |
|        | MATH 123: Trigonometry                | 3         | C             |       |
|        | MATH 150: Pre-Calculus Mathematics    | 3         | C             |       |
|        | ENGL 110: Composition 1: Exposition   | 3         | C             |       |
|        | Freshman Academic Choice              | 3         | D-            |       |
|        | <b>Term Hours:</b>                    | <b>16</b> |               |       |
| Term 2 | Hours Towards Degree: 30              | Hours     | Minimum Grade | Notes |
|        | CHEM 122: General Chemistry II        | 3         | C             |       |
|        | CHEM 124L: General Chemistry II Lab   | 1         | C             |       |
|        | MATH 162: Calculus I                  | 4         | C             |       |
|        | ENGL 120: Composition III             | 3         | C             |       |
|        | Social and Behavioral Science         | 3         | C             |       |
|        | <b>Term Hours:</b>                    | <b>14</b> |               |       |
| Term 3 | Hours Towards Degree: 45              | Hours     | Minimum Grade | Notes |
|        | CHEM 253L: Quantitative Analysis      | 4         | C             |       |
|        | MATH 163: Calculus II                 | 4         | C             |       |
|        | ENGL 219: Technical Writing           | 3         | C             |       |
|        | PHYC 160: General Physics I           | 3         | C             |       |
|        | PHYC 160L: General Physics Laboratory | 1         | C             |       |
|        | <b>Term Hours:</b>                    | <b>15</b> |               |       |
| Term 4 | Hours Towards Degree: 60              | Hours     | Minimum Grade | Notes |
|        | CHEM 311: Physical Chemistry          | 3         | C             |       |
|        | CHEM 301: Organic Chemistry I         | 3         | C             |       |
|        | CHEM 303L: Organic Chemistry Lab I    | 1         | C             |       |
|        | MATH 264: Calculus III                | 4         | C             |       |
|        | PHYC 161: General Physics II          | 3         | C             |       |
|        | PHYC 161L: General Physics Laboratory | 1         | C             |       |
|        | <b>Term Hours:</b>                    | <b>15</b> |               |       |

| <b>Term 5</b> | Hours Towards Degree: 76               | Hours     | Minimum Grade | Notes |
|---------------|--|-----------|---------------|-------|
|               | CHEM 312: Physical Chemistry           | 3         | C             |       |
|               | CHEM 302: Organic Chemistry            | 3         | C             |       |
|               | CHE 304L: Organic Chemistry Laboratory | 1         | C             |       |
|               | MATH 311 or MATH 314 or MATH 316       | 3         | C             |       |
|               | Social and Behavioral Science          | 3         | C             |       |
|               | Upper Division Elective                | 3         | D-            |       |
|               | <b>Term Hours:</b>                     | <b>16</b> |               |       |

| <b>Term 6</b> | Hours Towards Degree: 90                            | Hours     | Minimum Grade | Notes |
|---------------|---|-----------|---------------|-------|
|               | CHEM 411L: Laboratory Methods In Physical Chemistry | 3         | C             |       |
|               | CHEM Elective                                       | 4         | C             |       |
|               | Humanities  | 3         | B             |       |
|               | Upper Division Elective                             | 3         | D-            |       |
|               | Upper Division Elective                             | 1         | D-            |       |
|               | <b>Term Hours:</b>                                  | <b>14</b> |               |       |

| <b>Term 7</b> | Hours Towards Degree: 104              | Hours     | Minimum Grade | Notes |
|---------------|--|-----------|---------------|-------|
|               | CHEM 431: Advanced Inorganic Chemistry | 3         | C             |       |
|               | CHEM ELECTIVE                          | 4         | C             |       |
|               | Upper Division Elective                | 3         | D-            |       |
|               | Upper Division Elective                | 1         | D-            |       |
|               | Humanities                             | 3         | C             |       |
|               | <b>Term Hours:</b>                     | <b>14</b> |               |       |

| <b>Term 8</b> | Hours Towards Degree: 120                                     | Hours     | Minimum Grade | Notes |
|---------------|---|-----------|---------------|-------|
|               | CHEM 453L: Analytical Instrumentation: Theory and Application | 4         | C             |       |
|               | Upper Division Elective                                       | 3         | D-            |       |
|               | Upper Division Elective                                       | 3         | D-            |       |
|               | Fine Arts   | 3         | C             |       |
|               | Second Language   | 3         | C             |       |
|               | <b>Term Hours:</b>  | <b>16</b> |               |       |

**Crucial course:** **1** (A crucial course is a predictor for success in obtaining this degree. It should be taken in the term indicated in order to ensure timely progress to graduation.)

#### Degree Plan Notes

- Keep in mind that minimum grades on road map are for individual coursework only. Students must maintain a minimum of a 2.0 cumulative grade point average for admission to and graduation from the College of Arts and Sciences. Minimums listed for the individual courses do NOT meet the cumulative minimum.
- BS Chemistry majors have a distributed minor complete with the addition of English 219 and one additional math from 311, 314, 316 to the already required supportive course work.
- Choosing English 219 as the third W/S core course will allow students to also use this course for part of the distributed minor.