## Bachelor of Science, Minor in Chemistry, Minor in Mathematics
## Program Grid

**Note**: This program grid is provided for guidance only. Degree completion is based on courses completed successfully and is subject to all applicable requirements and procedures in effect. Students should consult the B.Sc. Degree Advisor to confirm program requirements for their chosen degree.

| Course Number | Course Name | Credits | Upper-Level Credits | Notes |
|---|---|---|---|---|
| English 1 | 100-level English | 3 | | 1 |
| English 2 | 100-level English | 3 | | 1 |
| MATH 100 or 121 | Calculus I | 3 | | |
| MATH 101 or 122 | Calculus II | 3 | | |
| Science 100-299 | Lower-Level Science Elective I | 4 | | 2 |
| Science 100-299 | Lower-Level Science Elective II | 4 | | 2 |
| Non-Science 100-499 | Non-Science Elective I | 3 | | 3 |
| Non-Science 100-499 | Non-Science Elective II | 3 | | 3 |
| CHEM 140 | Chemistry Fundamentals I | 4 | | |
| CHEM 141 or 142 | Chemistry Fundamentals II | 4 | | |
| CHEM 200-299 | 200-Level Chemistry Elective I | 3 | | 4 |
| CHEM 200-299 | 200-Level Chemistry Elective II | 3 | | 4 |
| CHEM 200-299 | 200-Level Chemistry Elective III | 3 | | 4 |
| CHEM 200-299 | 200-Level Chemistry Elective IV | 3 | | 4 |
| CHEM 300-499 | Upper-Level Chemistry Elective I | 3 | 3 | 5 |
| CHEM 300-499 | Upper-Level Chemistry Elective II | 3 | 3 | 5 |
| CHEM 300-499 | Upper-Level Chemistry Elective III | 3 | 3 | 5 |
| CHEM 300-499 | Upper-Level Chemistry Elective IV | 3 | 3 | 5 |
| CHEM 300-499 | Upper-Level Chemistry Elective V | 3 | 3 | 5 |
| CHEM 300-499 | Upper-Level Chemistry Elective VI | 3 | 3 | 5 |
| MATH 123 | Logic and Foundations | 3 | | |
| MATH 221 | Calculus III | 3 | | |
| MATH 241 | Linear Algebra | 3 | | |
| MATH 211 or 254 | Statistics I | 3 | | |
| MATH 222, 223 or 251 | 200-Level Mathematics Elective | 3 | | |
| MATH 300-499 | Upper-Level Mathematics Elective I | 3 | 3 | 6 |
| MATH 300-499 | Upper-Level Mathematics Elective II | 3 | 3 | 6 |
| MATH 300-499 | Upper-Level Mathematics Elective III | 3 | 3 | 6 |
| MATH 300-499 | Upper-Level Mathematics Elective IV | 3 | 3 | 6 |
| MATH 300-499 | Upper-Level Mathematics Elective V | 3 | 3 | 6 |
| MATH 300-499 | Upper-Level Mathematics Elective VI | 3 | 3 | 6 |
| Elective 300-499 | Upper-Level Elective I | 3 | 3 | 7 |
| Elective 300-499 | Upper-Level Elective II | 3 | 3 | 7 |
| Elective 100-499 | General Elective I | 3 | | 8 |
| Elective 100-499 | General Elective II | 3 | | 8 |
| Elective 100-499 | General Elective III | 3 | | 8 |
| Elective 100-499 | General Elective IV | 3 | | 8 |
| Elective 100-499 | General Elective V | 3 | | 8 |
| Elective 100-499 | General Elective VI | 3 | | 8 |
| Elective 100-499 | General Elective VII | 3 | | 8 |
| | TOTAL: | 124 | 42 | |

## NOTES:

1. The Degree English Requirement can be met as follows:

   - Two of ENGL 115, 125, 135, 204, or INTR 100; or,
   - LBST 111 and 112.

2. Lower-Level Science Electives can be courses numbered 100-299 in any science discipline, except CHEM and MATH courses. These courses are required to satisfy the Lower-Level Sciences Requirement of the Bachelor of Science degree. Options of science disciplines include:

   - AQUA, ASTR, BIOL, CSCI, ENGC, ENGE, ENGM, ENGR, FISH, FRST, GEOL, PHYS, RMOT and QUME.

3. Non-Science Electives can be any courses outside of the Science discipline numbered 100-499. The following courses may not be counted to meet this requirement, although they may be counted as general electives:

   - Any course beginning with the following discipline identifiers: AQUA, ASTR, BIOL, CHEM, CSCI, ENGC, ENGE, ENGM, ENGR, FISH, FRST, GEOL, MATH, PHYS, RMOT, QUME, and SCIE.
   - Anthropology: ANTH 111, 213, 214, 341B, 342, 343, 344, 350, 351, 352, 353 361, 401, 430, 449, 460.
   - Geography: GEOG 211, 212, 221, 226, 228, 326, 328, 372, 373, 374, 376, 428.
   - Psychology: PSYC 204, 205, 300A, 300B, 301, 302, 305, 315, 316, 318, 319, 323, 324, 345, 365, 400, 415, 419, 445, 490, 491, 498A.
   - Physical Education: PHED 201, 220, 301, 302, 400, 401.

4. The 200-Level Chemistry Electives can be any CHEM course numbered 200-299 or BIOL 201.

   - Note: Students should check upper-level course prerequisites to guide selection of the 200-Level Chemistry Electives.

5. Upper-Level Chemistry Electives can be any CHEM course numbered 300-499.

6. Upper-Level Mathematics Electives can be any MATH course numbered 300-499.

7. Upper-Level Electives can be courses in any discipline numbered 300-499.

8. General Electives can be courses in any discipline numbered 100-499.