

CHEMISTRY OPTION
Science & Math Degree
#2152

Suggested Sequence by Semester

*This suggested sequence does not include any required developmental courses.
Degree completion time may vary depending upon the number of credits taken each semester.*

| SEMESTER I | | | SEMESTER II | | |
|-------------------------------------|--------------|-----------|---------------------------------------|--------------|-----------|
| | | CREDITS | | | CREDITS |
| English Composition I | ENG 111 | 3 | English Composition II | ENG 112 | 3 |
| Social Science Elective | | 3 | Math/Science/Tech Elective | | 3 |
| Precalculus OR | MAT 123 | 4 | Analytic Geometry & Calc. I OR | MAT 131 | 4 |
| Analytic Geometry & Calculus I | MAT 131 | | Analytic Geometry & Calc. II | MAT 132 | |
| General Chemistry I Lecture | CHM 125 | 3 | General Chemistry II Lecture | CHM 127 | 3 |
| General Chemistry I Lab | CHM 126 | <u>1</u> | General Chemistry II Lab | CHM 128 | <u>1</u> |
| | TOTAL | 14 | | TOTAL | 14 |
| SEMESTER III | | | SEMESTER IV | | |
| General Education Elective | | 3 | General Education Elective | | 3 |
| Humanities Elective | | 3 | Restricted Elective | | 4 |
| Soc. Science or Humanities Elective | | 3 | Biology or Physics Elective | | 4 |
| Biology or Physics Elective | | 4 | Organic Chemistry II Lecture | CHM 233 | 3 |
| Organic Chemistry I Lecture | CHM 231 | 3 | Organic Chemistry II Lab | CHM 234 | <u>1</u> |
| Organic Chemistry I Lab | CHM 232 | <u>1</u> | | | |
| | TOTAL | 17 | | TOTAL | 15 |

MATH/SCIENCE/TECHNOLOGY: See General Education course list. Work closely with your faculty advisor to select the appropriate courses.

MATHEMATICS: Students who place out of MAT 123, Precalculus should start at a higher-level Math class – MAT 131, Calculus I and continue to MAT 132, Calculus II. Discuss this sequence of Math courses with your advisor.

TECHNOLOGY LITERACY: If you do not pass the Technology Literacy Competency exam, you must take one of the courses in Technological Competency or Information Literacy listing from the General Education course list. This course can be used to fulfill a General Education Math/Science/Technology elective.

GENERAL EDUCATION ELECTIVES: Please select appropriate courses from the approved list of General Education courses. Work closely with your faculty advisor to select the appropriate courses. Students planning to transfer to a B.A. (Bachelor of Arts) program should take COM 109, Speech Fundamentals, since this is required for that degree. [Click here for the most recent General Education course list.](#)

HUMANITIES: See attached General Education course list. Work closely with your faculty advisor to select the appropriate courses.

SOCIAL SCIENCE: See attached General Education course list. Work closely with your faculty advisor to select the appropriate courses.

BIOLOGY/PHYSICS ELECTIVES:

BIO 121, 122 General Biology I, II

BIO 201 Genetics (offered Spring only)

BIO 202 Ecology (offered Fall only)

BIO 215 Microbiology

BIO 228 Internship Work Exp – Bio (3CR) may be used as one BIO elective – **permission of Department Chairperson required.**

CHM 212 Biochemistry

PHY 125/126, 127/128 General Physics I & II

PHY 130, 133/134, 232/233 Engineering Physics I, II, III

RESTRICTED ELECTIVE: Choose one from the following:

BIO 121, 122, 201, 202, 215, 223

CHM 212, 229*

PHY 125/126, 127/128, 130, 133/134, 232/233

MAT 132, 230, 244

*CHM 229 Internship Work Exp – Chem (3 CR) may be used as one restricted elective – **permission of department Chairperson required.**

HONORS COURSES: You may be eligible to take honors courses. Discuss this option with your Academic Advisor.

NOTES:

- Students will not receive credit for more than one of the following courses: MAT 124 and MAT 130.
- Students may complete only one internship and will not receive credit for more than one of the following courses: BIO 228 and CHM 229.