## Suggested Plan of Study

### Fall - Semester 1
- ENGL 1113 Composition I 3
- MATH 1045 Pre-Calculus 5

### Spring - Semester 2
- ENGL 1123 Composition II 3
- HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II OR PSCI 2003 American Government: National 3
- CHEM 1023/1021 University Chemistry I/Lab 4
- GSTD 1002 Freshman Seminar 2
- **Total Semester Hours**: 17

### Fall - Semester 3
- World Literature III (ENGL 2213 or ENGL 2223) 3
- CHEM 3003/3001 Organic Chemistry I/Lab 4
- BIOL 1103/1101 University Biology I/Lab 4
- Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, or SOC 1003 or SOC 2003) 3
- **Total Semester Hours**: 14

### Spring - Semester 4
- World Literature IV (ENGL 2213 or ENGL 2223) 3
- Fine Arts/Humanities (ART 2013, HUM 2003, ENGL 2223, MUS 2013, PHIL 2403, THEA 2003 or Foreign Language) 3
- CHEM 3103/3101 Organic Chemistry II/Lab 4
- MATH 1545 Calculus II 5
- **Total Semester Hours**: 15

### Fall - Semester 5
- ECON 1003 The American Enterprise System 3
- PHYS 2003/2001 College Physics I/Lab or PHYS 2203/2201 University Physics I/Lab 4
- CHEM 3212/3202 Quantitative Chemical Analysis /Lab 4
- CHEM 3233/3231 Intermediate Inorganic Chemistry/Lab 4
- **Total Semester Hours**: 15

### Spring - Semester 6
- Chemistry Elective 3
- ECON 2203 Principles of Macroeconomics 3
- CHEM 4403/4401 Physical Chemistry: Thermodynamics/Lab 4
- CHEM Elective 3
- ECON 2203 Principles of Macroeconomics 3
- Science and Engineering Elective 4
- **Total Semester Hours**: 15

### Fall - Semester 7
- Chemistry Elective 3
- ECON 4023 Entrepreneurship 3
- CHEM Elective 3
- CHEM 4033 Advanced Inorganic Chemistry 3
- CHEM Elective 4
- **Total Semester Hours**: 14

### Spring - Semester 8
- CHEM Elective 3
- ECON 4051 Senior Seminar - Chemistry 1
- CHEM 4701-3 Undergraduate Research 4
- CHEM Elective 3
- CHEM Elective 4
- **Total Semester Hours**: 15

**Total hours required for major – 120**

*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government National.*

**Chemistry Electives**
- CHEM 3071 Biochemistry I Lab
- CHEM 4013 Advanced Organic Chemistry
- CHEM 4033 Advanced Inorganic Chemistry
- CHEM 4043/4041 Advanced Analytical Chemistry/Lab
- CHEM 4073 Biochemistry II

**Additional Notes**
- CHEM 3071 Biochemistry I Lab
- CHEM 4013 Advanced Organic Chemistry
- CHEM 4033 Advanced Inorganic Chemistry
- CHEM 4043/4041 Advanced Analytical Chemistry/Lab
- CHEM 4073 Biochemistry II