

Chemistry Curriculum, B.S. Degree

First Year

| <i>Fall</i> | | <i>Spring</i> | |
|-----------------------------------|-----------|----------------------------------|-----------|
| CHEM 1307, Prin. of Chem I | 3 | CHEM 1308, Prin. of Chem II | 3 |
| CHEM 1107, Exp. Prin. of Chem. I | 1 | CHEM 1108, Exp. Prin. of Chem II | 1 |
| ENGL 1301, Ess. Coll. Rhetoric | 3 | ENGL 1302, Adv. Coll. Rhetoric | 3 |
| American History† | 3 | American History† | 3 |
| MATH 1451*, Calculus I | 4 | MATH 1452*, Calculus II | 4 |
| Visual/Performing Arts Elective†‡ | 3 | POLS 1301, Amer. Gov't., Org. | 3 |
| TOTAL | 17 | TOTAL | 17 |

Second Year

| <i>Fall</i> | | <i>Spring</i> | |
|-------------------------------|-----------|--------------------------------|-----------|
| CHEM 3305, Org. Chem. I | 3 | CHEM 3306, Org. Chem II | 3 |
| CHEM 3105, Exp. Org. Chem. I | 1 | CHEM 3106, Exp. Org. Chem II | 1 |
| MATH 2450, Calculus III | 4 | CHEM 3301, Desc. Inorg. Chem. | 3 |
| PHYS 1408, Prin. of Physics I | 4 | POLS 2302, Amer. Pub. Pol† | 3 |
| English† | 3 | PHYS 2401, Prin. of Physics II | 4 |
| PF&W | 1 | PF&W | 1 |
| TOTAL | 16 | TOTAL | 15 |

Third Year

| <i>Fall</i> | | <i>Spring</i> | |
|---------------------------------|-----------|---------------------------------|-----------|
| CHEM 3201, Adv. Exp. Org. Chem. | 2 | CHEM 3308, Phys. Chem. II | 3 |
| CHEM 3307, Phys. Chem. I | 3 | CHEM 3108, Exp. Phys. Chem. II | 1 |
| CHEM 3107, Exp. Phys. Chem. I | 1 | Math minor course‡ | 3 |
| Foreign Language**† | 3 | CHEM 3351, Analytical Chem. | 3 |
| CHEM 4309, Inorg. Chem II | 3 | CHEM 3251, Analytical Chem. Lab | 2 |
| CHEM 4105, Inorg. Chem II Lab | 1 | Foreign Language**† | 3 |
| TOTAL | 13 | TOTAL | 15 |

Fourth Year

| <i>Fall</i> | | <i>Spring</i> | |
|--------------------------|-----------|----------------------------------|------------|
| CHEM 3310, Mol. Biochem. | 3 | CHEM 4314 Instrumental Analysis | 3 |
| Math minor course‡ | 3 | CHEM 4114 Exp. Inst. Analysis | 1 |
| English† | 3 | ElectiveΔ | 2 |
| Advanced Elective+ | 3 | Math minor course‡ | 3 |
| Oral Communications† | 3 | Social or Behav. Sci. Elective†‡ | 3 |
| TOTAL | 15 | TOTAL | 12 |
| | | DEGREE TOTAL: | 120 |

*Adequate training in algebra, trigonometry, and analytic geometry is a prerequisite for calculus. A score of 7 on the Math Placement Exam is necessary to take calculus the first year. Scores below 7 will require additional classes which will make the degree longer than 120 hours.

**A student must complete 6 hours at the sophomore level or above in a single language. The prerequisite for all sophomore language courses is credit for the freshman level. This credit can be determined through a placement or CLEP exam. The score attained on either exam will determine whether the student is placed in a second-year course, a 5-hour review course, or in some cases the first or second semester of a beginning (first year) language course. See Arts and Sciences General Degree Requirements for further explanation.

‡Selecting a minor other than Math may require additional hours to complete the degree making it longer than 120 hours.

+Three advanced elective hours from CHEM 3000 (1-3), 4300, 4302, 4310.

†Select from Arts and Sciences General Degree Requirements.

¥Can also be multicultural; if one of these is not, you will need an additional 3 hour MC course.
ΔMay be outside of major

