## I. GENERAL EDUCATION (50 SH)

### A. Skills (14 SH)
- ENGL101 College Writing Skills 3
- ENGL102 Writ/Research 3
- MATH211 Ana. Geo. & Calculus 1 4
- CHEM241 Prin. of Chemistry II* 4

*Fulfills required computer competency course.

### B. Core (22 SH)
1. Artistic Expression (3 SH)
2. World Civilizations (3 SH)
3. American Civilizations (3 SH)
4. Human Behavior (3 SH)
5. Cultural Diversity & Social Pluralism (3 SH)
   (Select FREN101, GERM101, or RUSS101)
6. Ethics (3 SH)
7. Natural Science (4 SH)
   - BIOL103 Principles of Biology 4

### C. Distribution (14 SH)
1. Humanities & Fine Arts (3 SH)
2. Social & Behavioral Sciences (3 SH)
3. Science & Math (8 SH)
   - PHYS320 University Physics I 4
   - PHYS321 University Physics II 4

## II. SPECIALIZATION IN CHEMISTRY** (48 SH)

- CHEM240 Principles of Chemistry I 4
- CHEM241 Principles of Chemistry II 3
- CHEM280 Laboratory Safety 1
- CHEM341 Biochemistry 4
- CHEM310 Quantitative Analysis 4
- CHEM330 Organic Chemistry I 4
- CHEM331 Organic Chemistry II 4
- CHEM381 Science Literature 1
- CHEM420 Inorganic Chemistry 3
- CHEM421 Advanced Organic Chemistry 3
- CHEM450 Instrumental Analysis 5
- CHEM481 Seminar 1
- CHEM490 Indep. Study Chem. 2
- CHEM530 Physical Chemistry I 4
- CHEM531 Physical Chemistry II 4
- CHEM533 Polymer Chemistry 3
- CHEM535 Advanced Chemistry Lab. 1

**Students enrolled in the Bachelor of Science program must attain a cumulative quality point average of 2.00 or higher in chemistry courses to be eligible for graduation. A minimum grade of "C" is required in CHEM240, 241, 310, 330, 331, 341, 530 and 531.

## III. REQUIRED SUPPORTING COURSES (12-13 SH)

- BIOL103 Principles of Biology 3
- MATH211 Anal. Geometry & Calculus I 3
- MATH212 Anal. Geometry & Calculus II 4
- MATH311 Anal. Geometry & Calculus III 4
- OR MATH317 Intro. to Differential Equations 3
- OR CSC1130 Principles of Programming I 3
- MATH260 Elements of Statistics 3
- FREN101 1st. Course in French 3
- OR GERM101 1st. Course in German 3
- OR RUSS101 1st. Course in Russian 3
- PHYS320 University Physics I 3
- PHYS321 University Physics II 3
- PHYS322 Phys. Measurements I 1
- PHYS323 Phys. Measurements II 1

### Credits are recorded under the General Education Section

## IV. ELECTIVES (9-10 SH)

<table>
<thead>
<tr>
<th>Course</th>
<th>SH</th>
<th>Grade</th>
<th>Date</th>
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(To total a minimum of 120 SH)

TOTAL# (120 SH)

#Note: At least 42 semester hours must consist of advanced coursework

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