## I. GENERAL EDUCATION (46 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)
   - BIOL150 Principles of Biology 4

### C. Distribution (10 SH)
1. **Humanities & Fine Arts** (3 SH)
- 

2. **Social & Behavioral Sciences** (3 SH)
- 

3. **Science & Math** (4 SH)
   - PHYS320 University Physics I 4

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

- CHEM240 Principles of Chemistry I 4
- CHEM241 Principles of Chemistry II ***
- CHEM280 Laboratory Safety 1
- CHEM341 Biochemistry 4
- CHEM310 Quantitative Analysis 4
- CHEM330 Organic Chemistry I 4
- CHEM331 Organic Chemistry II 4
- CHEM381 Searching Scientific 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, 341, 530 and 531.

## III. REQUIRED SUPPORTING COURSES (16-17 SH)

- BIOL150 Principles of Biology ***
- MATH211 Anal. Geometry & Calculus I ***
- MATH212 Anal. Geometry & Calculus II 4
- MATH311 Anal. Geometry & Calculus III 4
- MATH317 Intro. to Differential Equations 3
- OR CSCI130 Principles of Programming I 3
- MATH260 Elements of Statistics 3
- OR FREN101 1st. Course in French ***
- OR GERM101 1st. Course in German ***
- OR RUSS101 1st. Course in Russian ***
- OR PHYS200 University Physics I ***
- OR PHYS210 University Physics II 4
- OR PHYS220 Phys. Measurements I 1
- OR PHYS230 Phys. Measurements II 1

***Credits are recorded under the General Education Section

## IV. ELECTIVES (9-10 SH)

### TOTAL# (120 SH)

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

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(Revised: August 2012; Approved: March 2013)  
(Effective: Summer 2013; Printed: May 2014)