

## College of Science, Engineering and Technology

Major: Chemistry

Concentration: Environmental Sciences

\*Indicate Summer Courses in Comments Section\*

| FRESHMAN YEAR 1st SEMESTER |                             |              |                     |       |
|----------------------------|-----------------------------|--------------|---------------------|-------|
| COURSE                     | COURSE TITLE                | CREDIT HOURS | GRADE               | NOTES |
| CHEM 141 & CHML 141        | GENERAL CHEMISTRY I AND LAB | 4            |                     |       |
| ENG 104                    | COMPOSITION                 | 3            |                     |       |
| BIO 111 & BIOL 111         | GENERAL BIOLOGY I AND LAB   | 4            |                     |       |
| UNIV 100                   | UNIVERSITY SUCCESS          | 2            |                     |       |
| HIST 101                   | HISTORY OF CIVILIZATION     | 3            |                     |       |
| TOTAL CREDIT HOURS         |                             | 16           | GRADE POINT AVERAGE |       |

Comments: \_\_\_\_\_

| FRESHMAN YEAR 2 <sup>ND</sup> SEMESTER |                              |              |                     |       |
|--|------------------------------|--------------|---------------------|-------|
| COURSE                                 | COURSE TITLE                 | CREDIT HOURS | GRADE               | NOTES |
| CHEM 142 & CHML 142                    | GENERAL CHEMISTRY II AND LAB | 4            |                     |       |
| ENG 105                                | COMPOSITION                  | 3            |                     |       |
| BIO 112 & BIOL 112                     | GENERAL BIOLOGY II AND LAB   | 4            |                     |       |
| CSC 115                                | DIGITAL COMPUTER PRINCIPLES  | 3            |                     |       |
| HIST 102                               | HISTORY OF CIVILIZATION      | 3            |                     |       |
| TOTAL CREDIT HOURS                     |                              | 17           | GRADE POINT AVERAGE |       |

Comments: \_\_\_\_\_

| SOPHOMORE YEAR 1 <sup>ST</sup> SEMESTER |                             |              |                     |       |
|---|-----------------------------|--------------|---------------------|-------|
| COURSE                                  | COURSE TITLE                | CREDIT HOURS | GRADE               | NOTES |
| CHEM 241 & CHML 241                     | ORGANIC CHEMISTRY I AND LAB | 4            |                     |       |
| MATH 241                                | CALCULUS I                  | 3            |                     |       |
| SPCH                                    | SPEECH OPTION               | 3            |                     |       |
| PE                                      | PHYSICAL EDUCATION          | 1            |                     |       |
| ENG 205                                 | WORLD LITERATURE            | 3            |                     |       |
| TOTAL CREDIT HOURS                      |                             | 14           | GRADE POINT AVERAGE |       |

Note: If Health (HE 101) is taken in one of the semester, then PE option is satisfied for both semesters.

Comments: \_\_\_\_\_

| SOPHOMORE YEAR 2 <sup>ND</sup> SEMESTER |                              |              |                     |       |
|---|------------------------------|--------------|---------------------|-------|
| COURSE                                  | COURSE TITLE                 | CREDIT HOURS | GRADE               | NOTES |
| CHEM 242 & CHML 242                     | ORGANIC CHEMISTRY II AND LAB | 4            |                     |       |
| MATH 242                                | CALCULUS II                  | 3            |                     |       |
| PHIL                                    | PHILOSOPHY OPTION            | 3            |                     |       |
|   | CORE OPTION (A)              | 3            |                     |       |
| PE                                      | PHYSICAL EDUCATION           | 1            |                     |       |
| TOTAL CREDIT HOURS                      |                              | 14           | GRADE POINT AVERAGE |       |

English Proficiency: Date taken \_\_\_\_\_ Pass or Fail If Failed: English 399 (Functional Writing): Date Taken \_\_\_\_\_ Pass or Fail

Comments: \_\_\_\_\_

Note: If Health (HE 101) is taken in one of the semesters, then PE option is satisfied for both semesters.

| JUNIOR YEAR 1 <sup>ST</sup> SEMESTER |                              |              |                     |       |
|--------------------------------------|------------------------------|--------------|---------------------|-------|
| COURSE                               | COURSE TITLE                 | CREDIT HOURS | GRADE               | NOTES |
| CHEM 320 & CHML 320                  | ANALYTICAL CHEMISTRY AND LAB | 4            |                     |       |
| PHY 201 & PHYL 201                   | BASIC PHYSICS I AND LAB      | 4            |                     |       |
| CHEM 341 & CHML 341                  | PHYSICAL CHEMISTRY I AND LAB | 4            |                     |       |
| CHEM 381                             | CHEMISTRY SEMINAR            | 0.5          |                     |       |
| MFL 101                              | MODERN FOREIGN LANGUAGE I    | 3            |                     |       |
| TOTAL CREDIT HOURS                   |                              | 15.5         | GRADE POINT AVERAGE |       |

Students who have completed two years of a single foreign language in high school with a grade of 'C' are exempt from foreign language requirements; however, the student must take 6 hours of electives to replace the foreign language credits.

Comments: \_\_\_\_\_

| JUNIOR YEAR 2 <sup>ND</sup> SEMESTER |                             |              |                     |       |
|--------------------------------------|-----------------------------|--------------|---------------------|-------|
| COURSE                               | COURSE TITLE                | CREDIT HOURS | GRADE               | NOTES |
| CHEM 340 & CHML 340                  | INORGANIC CHEMISTRY AND LAB | 4            |                     |       |
| PHY 202 & PHYL 202                   | BASIC PHYSICS II AND LAB    | 4            |                     |       |
| CHEM 382                             | CHEMISTRY SEMINAR           | 0.5          |                     |       |
| CHEM 310                             | INTRODUCTION TO RESEARCH    | 2            |                     |       |
| MFL 102                              | MODERN FOREIGN LANGUAGE II  | 3            |                     |       |
| CHEM 380                             | INDEPENDENT STUDY           | 1            |                     |       |
| TOTAL CREDIT HOURS                   |                             | 14.5         | GRADE POINT AVERAGE |       |

Students who have completed two years of a single foreign language in high school with a grade of 'C' are exempt from foreign language requirements; however, the student must take 6 hours of electives to replace the foreign language credits.

Comments: \_\_\_\_\_

| SENIOR YEAR 1 <sup>ST</sup> SEMESTER |                                 |              |                     |       |
|--------------------------------------|---------------------------------|--------------|---------------------|-------|
| COURSE                               | COURSE TITLE                    | CREDIT HOURS | GRADE               | NOTES |
| CHEM 410 & CHML 410                  | ENVIRONMENTAL CHEMISTRY AND LAB | 4            |                     |       |
| CHEM 481                             | CHEMISTRY SEMINAR               | 0.5          |                     |       |
| CHEM 431 & CHML 431                  | BIOCHEMISTRY I AND LAB          | 4            |                     |       |
| CHEM 380                             | INDEPENDENT STUDY               | 1            |                     |       |
|                                      | CORE II OPTION (A)              | 3            |                     |       |
| ELECTIVE                             | GENERAL ELECTIVE                | 3            |                     |       |
| TOTAL CREDIT HOURS                   |                                 | 15.5         | GRADE POINT AVERAGE |       |

Comments: \_\_\_\_\_

| SENIOR YEAR 2 <sup>ND</sup> SEMESTER |                        |              |                     |       |
|--------------------------------------|------------------------|--------------|---------------------|-------|
| COURSE                               | COURSE TITLE           | CREDIT HOURS | GRADE               | NOTES |
| CHEM 421 & CHML 421                  | INTRUMENTATION AND LAB | 4            |                     |       |
| CHEM 482                             | CHEMISTRY SEMINAR      | 0.5          |                     |       |
| BIO                                  | ENV OPTION & LAB       | 4            |                     |       |
| CHEM                                 | TOXICOLOGY OPTION      | 3            |                     |       |
| BIO                                  | ENV OPTION & LAB       | 4            |                     |       |
| CHEM 380                             | INDEPENDENT STUDY      | 1            |                     |       |
| TOTAL CREDIT HOURS                   |                        | 16.5         | GRADE POINT AVERAGE |       |

Comments: \_\_\_\_\_

On-line Graduation Clearance (TO BE COMPLETED DURING THE GRADUATING SEMESTER ONLY)

TOTAL HOURS: **123** (REQUIRED)

\*Candidates that transfer 12 or more hours of college credit are exempt from UNIV 100: University Success: however, the student must take 2 hours of general electives to replace the UNIV course.

\*All students must take the Undergraduate English Proficiency Examination (UEPE) after the sophomore year. Students not passing the exam must take **ENG 399**

\_\_\_\_\_  
STUDENT SIGNATURE                      DATE

\_\_\_\_\_  
ADVISOR SIGNATURE                      DATE

\*Students are qualified to obtain a minor degree in Biology

Standardized Tests (GRE, MCAT, MFT, PCAT, etc), Chemistry Exit Exam, Research Report, and Research Presentation are required before graduation.

Environmental Science Option Courses. Two of the following with labs: BIO 201 (Introduction to Environmental Sciences), BIO 403 (Human Environments and Natural Systems), or BIO 404 (Introduction to Environmental Sciences).

Toxicology Option Courses. One of the following: ITHM 400 (Principles of Toxicology), ITHM 529 (Environmental Toxicology and Risk Assessment) or CHEM 471 (Forensic Toxicology).

CORE II Options: (All students must complete).

A. Social/Behavioral Science or Fine Arts/Humanities:

One of the following: SS 201, SS 202, SOC 214, PS 334, PS 336, GEO 105, Geo 209, SOC 325, PSY 201, PS 335, ECO 211, or ECO 212.

One of the following: ART 206, DR 201, MUS 205, ENG 201H, or ENG 202H.

B. Speech Option: One of the following: SPCH 201, SPCH 216, SPCH 300, SPCH 334, SPCH 335, SPCH 430.

C. Philosophy Option: One of following: PHIL 301, PHIL 308, PHIL 309, PHIL 416, MGMT 482, SW 210.