

**Chemistry Department – B.S. in Chemistry, Chemistry Education concentration**  
**(Revised 7/21)**

|       |                 |          |
|-------|-----------------|----------|
| Name: | Banner<br>ID: @ | Advisor: |
|-------|-----------------|----------|

|  | grade | term  |
|--|-------|-------|
| <b>Liberal Studies requirements</b>  |       |       |
| <b>English Composition: 6 cr</b>   |       |       |
| ENGL 101 - English Composition I (3)   | _____ | _____ |
| ENGL 202 - English Composition II (3)  | _____ | _____ |
| <b>Humanities: 9 cr</b>  |       |       |
| HIST 196 or 197 or 198 (3)   | _____ | _____ |
| Literature: ENGL 121 (3)   | _____ | _____ |
| Philosophy/Religious Studies (3): _____  | _____ | _____ |
| <b>Fine Arts: 3 cr</b>   |       |       |
| _____  | _____ | _____ |
| <b>Social Science: 9 cr (3 courses required; no prefix may be used more than once)</b>   |       |       |
| _____  | _____ | _____ |
| _____  | _____ | _____ |
| _____  | _____ | _____ |
| <b>Dimensions of Wellness: FIN, HPED, NURS or FDNT 143 (3 cr), or MLSC 101 and 102 (4 cr)</b>  |       |       |
| _____  | _____ | _____ |
| <b>Global and Multicultural Awareness: 3 cr (the following satisfy both this requirement and Social Science requirement: ANTH 110, ANTH 211, GEOG 103, GEOG 104, PLSC 101)</b> |       |       |
| _____  | _____ | _____ |
| <b>Writing Intensive Requirement: (one course in addition to CHEM 343 or BIOL 203)</b>   |       |       |
| _____  | _____ | _____ |
| <b>B.S. in Chemistry, Traditional concentration</b>  |       |       |
| (* indicates that the requirement has a specified course for the Honors Certificate)   |       |       |
| <b>Required Chemistry Courses: 34-35 cr</b>  |       |       |
| CHEM 111 - General Chemistry I (4)   | _____ | _____ |
| CHEM 112 - General Chemistry II (4)  | _____ | _____ |
| CHEM 231 - Organic Chemistry I (4)   | _____ | _____ |
| CHEM 332 - Organic Chemistry II (4)  | _____ | _____ |
| CHEM 290 - Chemistry Seminar I (1)   | _____ | _____ |
| CHEM 314 - Inorganic Chemistry (4)   | _____ | _____ |

CHEM 325 - Analytical Chemistry (4) \_\_\_\_\_

CHEM 341 - Physical Chemistry (4) \_\_\_\_\_

CHEM 343 - Physical Chemistry lab (1) \_\_\_\_\_

CHEM 390 - Chemistry Seminar II (1) \_\_\_\_\_

BIOC 301 or CHEM 351 (3-4) \_\_\_\_\_

**Additional Requirements: 22-24 cr**

BIOL 201 or 202 (4) \_\_\_\_\_

GEOS 201 (4) \_\_\_\_\_

MATH 121 or 125 – Calculus I (3-4) \_\_\_\_\_

MATH 122 or 126 – Calculus II (3-4) \_\_\_\_\_

PHYS 111 or 131 – Physics I (3) \_\_\_\_\_

PHYS 121 or 141 – Physics I lab (1) \_\_\_\_\_

PHYS 112 or 132 – Physics II (3) \_\_\_\_\_

PHYS 122 or 142 – Physics II lab (1) \_\_\_\_\_

**Education sequence: 24-31 cr**

ACE 103 – Digital Instructional Tech. (3) \_\_\_\_\_

EDSP 102 – Educational Psychology (3) \_\_\_\_\_

EDEX 301 – Ed. of Students with Disabilities (2) \_\_\_\_\_

EDEX 323 – Instruction with Special Needs (2) \_\_\_\_\_

EDSP 477 – Assessment of Student Learning (3) \_\_\_\_\_

EDUC 242 – Pre-student Teaching I (1) \_\_\_\_\_

EDUC 342 – Pre-student Teaching II (1) \_\_\_\_\_

EDUC 441 – Student Teaching (5-12) \_\_\_\_\_

EDUC 442 – School Law (1) \_\_\_\_\_

EDUC 451 – Teaching Science in the Secondary School (3) \_\_\_\_\_

**Graduation**

|          | credits earned | credits scheduled | total (min. 120) | QPA |
|----------|----------------|-------------------|------------------|-----|
| in major |                |                   |                  |     |
| overall  |                |                   |                  |     |