



### FOUR-YEAR PROGRAM COMPLETION PLAN

#### Department of Chemistry and Food Science

-- Domain General Education courses and open electives may be taken in any semester and in any order, except for Common Core Domain requirements, which must be taken during Year One.

--A minor in Secondary Education or in one of the following is required with the General Chemistry concentration: Business, Computer Science, Earth Science, or Mathematics.

--Please refer to your Degree Audit for specific course requirements.

#### **Recommended Schedule for Bachelor of Science: Major in Chemistry, Concentration in General Chemistry (UCHG):**

| Year One: Fall Semester                                | Year One: Spring Semester  |
|--|--|
| CHEM 107 Principles of Chemistry                       | CHEM 108 Principles of Chemistry and Quantitative Analysis       |
| MATH 219 Calculus I                                    | MATH 220 Calculus II   |
| Domain Education Course                                | Minor Course OR Domain General Education Course OR Open Elective |
| Domain Education Course or ENGL 110 Expository Writing | ENGL 110 Expository Writing OR Domain Education course           |

| Year Two: Fall Semester                          | Year Two: Spring Semester  |
|--|--|
| CHEM 207 Organic Chemistry I                     | CHEM 208 Organic Chemistry II                                    |
| PHYS 211 Principles of Physics I                 | PHYS 212 Principles of Physics II                                |
| Domain General Education Course OR Open Elective | Minor Course OR Domain General Education Course OR Open Elective |
| Domain General Education Course OR Open Elective | Domain General Education Course OR Open Elective                 |

| Year Three: Fall Semester                        | Year Three: Spring Semester                      |
|--|--|
| CHEM 303 Physical Chemistry I                    | Chemistry Elective (see catalog)                 |
| Chemistry Elective (see catalog)                 | CSCI 120 Introduction to Information Technology  |
| Minor Course OR Open Elective                    | Minor Course OR Open Elective                    |
| Domain General Education Course OR Open Elective | Domain General Education Course OR Open Elective |

| Year Four: Fall Semester                         | Year Four: Spring Semester                       |
|--|--|
| CHEM 321 Instrumental Analysis                   | CHEM 401 Inorganic Chemistry                     |
| Minor Course OR Open Elective                    | Minor Course OR Open Elective                    |
| Minor Course OR Open Elective                    | Minor Course OR Open Elective                    |
| Domain General Education Course OR Open Elective | Domain General Education Course OR Open Elective |

#### **Domain General Education Checklist:**

- Domain II-B is fulfilled through completion of the major.

|              |              |  |
|--------------|--------------|--|
| Common Core: | ___          | A. ENGL 110 Expository Writing                           |
|              | ___          | B. MATH XXX (credit-bearing)                             |
| Domain I:    | ___          | A. Creative Arts   |
|              | ___          | B. Humanities  |
|              | ___          | C. Language  |
| Domain II:   | ___          | A. Analysis, Modeling, Problem Solving                   |
|              | <u>  X  </u> | B. Natural Sciences (two courses)                        |
| Domain III:  | ___          | A. Perspectives on the Past                              |
|              | ___          | B. Perspectives on Contemporary World                    |
|              | ___          | C. Global Competency, Ethical Reasoning, Human Diversity |