



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.

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

Recommended Schedule for Bachelor of Science: Major in Chemistry, Concentration in American Chemical Society Approved (UCHA):

| 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 General Education Course | Computer Science Course OR Domain General Education Course |
| Domain General Education Course | Domain General Education Course |

| Year Two: Fall Semester | Year Two: Spring Semester |
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| CHEM 207 Organic Chemistry I | CHEM 208 Organic Chemistry II |
| PHYS 211 Principles of Physics I | PHYS 212 Principles of Physics II |
| MATH 221 Calculus III OR Domain General Education Course | Computer Science 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 |
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| CHEM 303 Physical Chemistry I | CHEM 304 Physical Chemistry II |
| CHEM 301 Biochemistry I | CHEM 401 Inorganic Chemistry |
| Computer Science Course OR Domain General Education Course OR Open Elective | Computer Science Course OR Domain General Education 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 |
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| CHEM 321 Instrumental Analysis | CHEM 481 Chemical Research II |
| CHEM 480 Chemical Research I | Advanced Chemistry Course (see catalog) |
| Computer Science Course OR Domain General Education Course OR Open Elective | Domain General Education 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.

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| 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 |