



UC Transfer Pathway Model Curriculum Worksheet

CCC Major or Area of Emphasis: Chemistry

UC Major or Majors: Chemistry

Total units: 45 units (all units are semester units)

Degree Type (indicate one): AS-T

“Core” Courses:

45 units

| Title (units) | C-ID Designation |
|---|------------------|
| General Chemistry for Science Majors Sequence A (10) | CHEM 120S |
| Organic Chemistry for Science Majors Sequence A (8) | CHEM 160S |
| Calculus-based Physics for Scientists and Engineers: ABC (12) | PHYS 200S |
| Single Variable Calculus I – Early Transcendentals (4) | MATH 210 |
| Single Variable Calculus II – Early Transcendentals (4) | MATH 220 |
| Multivariable Calculus (4) | MATH 230 |
| Ordinary Differential Equations (3) | MATH 240 |

This UC Transfer Pathway (UCTP) Model Curriculum worksheet outlines the major preparation needed in the Chemistry discipline. **This is not part of the Associate Degree for Transfer (AD-T) mandates set forth by SB 1440 and SB 440; thus, the model curriculum is not subject to the 60-unit limitation.** Additionally, the modified IGETC for STEM general education (GE) pattern (below) must be used in the Chancellor’s Office UCTP Template.

| Course Requirement | (C-ID Descriptor) | C-ID Units | College Units |
|--|-------------------|------------|---------------|
| 1. English Communication | | | |
| a. Freshman Composition (e.g., ENGL100) | | 3 units | 4 |
| b. Critical Thinking (e.g., ENGL105) | | 3 units | 4 |
| 2. Quantitative Reasoning | | in major | |
| 3. Arts and Humanities | | 3 units | 3 |
| 4. Social and Behavioral Sciences | | 3 units | 3 |
| 5. Physical and Biological Sciences | | | |
| a. Physical Science | | in major | |
| b. Biological Science (e.g., BIOL140) | | 4 units | 5 |
| 6. Language other than English (e.g., SPAN101) | | 4 units | 5 |

General Education C-ID Units: 20 units, College Units 24 Units Possible