



B.S. in Chemistry Education
CHEMEDBS.2017 (mrs 1244, 1246, 1423)
62-80 credits

Effective Date: 09/2017

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|-------------------------|--------------------------------|-----------------|
| Name of Student: | | |
| Student ID #: | | Graduation Date |
| Home Country: | <input type="checkbox"/> IWORK | |
| Advisor: | Name | Date |

Chemistry Core **17 Credits**

| Course # | Title | Hr. | Prerequisites | Offered | Sem. | Grade |
|-----------------------------|--|-----|---|---------|------|-------|
| CHEM 105/L | General Chemistry I/Lab | 4 | MATH 101 (or equivalent) w/C- or better and concurrent enrollment in MATH 110, or MATH 110 w/C- or better, or ACT Math score higher than 22 or SAT Math score higher than 520. (High School Chemistry or CHEM 101 highly recommended) | F,W | | |
| CHEM 106/L | General Chemistry II/Lab | 4 | CHEM 105/L w/C- or better | W,S | | |
| CHEM 201 | Chemical and Laboratory Safety | 1 | CHEM 105/L | F,W,S | | |
| CHEM 351/L or CHEM 326/L | Organic Chemistry I/Lab Analytical Biochemistry/Lab | 4 | CHEM 106/L, CHEM 201 (co- or prerequisite) CHEM 106/L, CHEM 201 (co- or prerequisite) | F | | |
| CHEM 491 | Undergraduate Research | 1 | CHEM 351/L (completion of CHEM 326/L or 381/L is recommended) | S | | |
| CHEM 492-4 | Undergraduate Research | 3 | CHEM 491 | F-F-W | | |

Science Electives *Choose at least 7 courses* **22 Credits**

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|------------|---|---|---|--------|--|--|
| SCI 99 | Successful Practices in Learning Science | 1 | | F,W,S | | |
| SCI 201 | Scientific Reasoning | 3 | | F,W,S | | |
| BIOL 112/L | Biology I – Cell and Molecular Biology/Lab | 4 | | F,W,S | | |
| BIOL 113 | Biology II – Evolution, Ecology, and Organismal Biology | 3 | BIOL 112/L | F,W,S | | |
| GEOL 105 | Geology of the Pacific Basin | 3 | | F,W,S | | |
| MATH 112 | Calculus I | 5 | College Algebra and Trigonometry experience | F,W,S | | |
| PHYS 121/L | General Physics I/Lab | 4 | MATH 112 and either High School Trigonometry or MATH 111 | F,W | | |
| PHYS 220/L | General Physics II/Lab | 4 | PHYS 121/L, (Completion of MATH 113 is recommended) | F,W | | |
| PHYS 221/L | General Physics III/Lab | 4 | PHYS 121/L, (Completion of MATH 113 is recommended) | S | | |
| CHEM 326/L | Analytical Biochemistry/Lab | 4 | CHEM 106/L, CHEM 201 (co- or prerequisite) | F | | |
| CHEM 351/L | Organic Chemistry I/Lab | 4 | CHEM 106/L, CHEM 201 (co- or prerequisite) | F | | |
| CHEM 352/L | Organic Chemistry II/Lab | 4 | CHEM 351/L | W | | |
| CHEM 395 | Organic Spectroscopy | 3 | CHEM 352/L | S-odd | | |
| CHEM 381/L | Biochemistry I/Lab | 4 | BIOL 112/L, CHEM 351/L, (completion of BIOL 376 or 441 is strongly recommended) | F, S | | |
| CHEM 450 | Advanced Organic Synthesis | 3 | CHEM 352/L | S-even | | |

Education **23-41 Credits**

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|---------|--------------------------------------|---|--|-------|--|--|
| EDU 212 | Foundations of Education | 2 | | F,W,S | | |
| EDU 200 | Human Growth and Learning in Schools | 3 | | F,W,S | | |

Recommended Elective:

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|----------|--|---|---|-------|--|--|
| HWST 101 | Introduction to Hawaiian Studies | 3 | Required for U.S. Teacher License | F,W,S | | |
| EDU 340 | Multiculturalism & Cul. Resp. Tch (SIOP) | 2 | Recommended for International Teacher License | F,W | | |

Apply to School of Education

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|---|--|--|
| Non License Track <input type="checkbox"/> All students begin in this track and can choose to stay here or apply by deadline for another track. | U.S. License Track <input type="checkbox"/> Priority Deadline: Submit SoEd application and passing Praxis CORE scores by: Feb 15 May 15 Sept 15 | International Track <input type="checkbox"/> Priority Deadline: Submit SoEd application by: Feb 15 May 15 Sept 15 |
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Switch-Track Firm Deadline Feb 15 May 15 Sept 15 *No Exceptions*

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| SPED 300 | Education of Exceptional Students | 3 | EDU 200 | F,W,S | | |
| EDU 305 | Comp./Tech. Assisted Instruction | 2 | EDU 212 | F,W,S | | |
| EDU 312 | Effective Pedagogy | 3 | EDU 212 | F,W,S | | |
| EDU 385 | Education Assessment in the Classroom | 3 | EDU 312 | F,W,S | | |
| SCED 350 | General Methods for Secondary Teachers | 2 | EDU 312 | F,W | | |
| SCED 401 | A Multicultural Approach to Reading in the Content Area | 3 | EDU 312, Corequisite with SCED 491 | F,W | | |
| SCED 430 | Classroom Management in Secondary Contexts | 2 | EDU 312, Corequisite with SCED 491 | F,W | | |
| SCED 491 | Observation and Practicum | 3 | EDU 312, corequisite with SCED 401, SCED 430, and formal admission to SOE | F,W | | |
| SCED 492 | Student Teaching | 12 | SCED 491 | F,W | | |

Total Credits Mapped for Graduation:

No grade below "C-" accepted