



B.S. in Chemistry Education

For Office Use Only
CHEMEDBS.2017 mrs 1244, 1246, 1423
62-80 credits
Effective Date: 09/2017

***For specific course information – see Course Listing in Catalog**

Chemistry Core

CHEM 105/L	4	General Chemistry I/Lab
CHEM 106/L	4	General Chemistry II/Lab
CHEM 201	1	Chemical and Laboratory Safety
CHEM 351/L or	4	Organic Chemistry I/Lab
CHEM 326/L	4	Analytical Biochemistry/Lab
CHEM 491	1	Undergraduate Research
CHEM 492-4	3	Undergraduate Research

17 Credits

Science Electives

SCI 99	1	Successful Practices in Learning Science
SCI 201	3	Scientific Reasoning
BIOL 112/L	4	Biology I – Cell and Molecular Biology/Lab
BIOL 113	3	Biology II – Evolution, Ecology, and Organismal Biology
GEOL 105	3	Geology of the Pacific Basin
MATH 212	5	Calculus I
PHYS 121/L	4	Introduction to Newtonian Mechanics/Lab
PHYS 220/L	4	Introduction to electricity and Magnetism/Lab
PHYS 221/L	4	Introduction to Waves, Optics, and Modern Physics/Lab
CHEM 326/L	4	Analytical Biochemistry/Lab
CHEM 351	3	Organic Chemistry I
CHEM 351L	1	Organic Chemistry I Lab
CHEM 352	3	Organic Chemistry II
CHEM 352L	1	Organic Chemistry II Lab
CHEM 395	3	Organic Spectroscopy
CHEM 450	3	Advanced Organic Synthesis
CHEM 481	3	Biochemistry I
CHEM 483L	1	Biochemistry Methods Lab I – Proteins
CHEM 485L	1	Biochemistry Methods Lab III – Mammalian Cells

22 Credits

Choose at least 7 courses

Education

23-41 Credits

EDU 212	2	Foundations of Education
EDU 220	3	Human Growth and Learning in Schools

Recommended Elective:

HWST 101	3	Introduction to Hawaiian Studies
EDU 340	2	Multiculturalism & Cul. Resp. Tch (SIOP)

Apply to School of Education

<input type="checkbox"/> Non License Track All students begin in this track and can choose to stay here or apply by deadline for another track.	<input type="checkbox"/> Hawaii License Track Priority Deadline: Submit SoEd application by: Feb 15, May 15, Sept 15	<input type="checkbox"/> International Track Priority Deadline: Submit SoEd application by: Feb 15, May 15, Sept 15
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SPED 300	3	Education of Exceptional Students
EDU 305	2	Comp./ Tech. Assisted Instruction
EDU 312	3	Effective Pedagogy
EDU 385	3	Education Assessment in the Classroom

The terms of this MRS will be honored by the Faculty and University within the next 8 years. If courses cease to be offered, options for substitution will be provided.

Last Revision 9/11/19
Accessibility Check 11/26/19



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SCED 350	2	General Methods for Secondary Teachers
SCED 401	3	A Multicultural Approach to Reading in the Content Area
SCED 430	2	Classroom Management in Secondary Contexts
SCED 491	3	Observation and Practicum
SCED 492	12	Student Teaching

Total Credits Mapped for Graduation:

No grade below "C- "accepted

All courses in the Education major can be retaken 1 time to improve a grade lower than C-. If the second attempt is lower than a C-, the student will be removed from the major.