



B.S. in Chemistry Education
CHEMEDBS.2015 (mrs 1084-1086)
79 credits, incl. 8 GE credits

Effective Date: 08/2015

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

Chemistry Content **41 Credits**

Course #	Title	Hr.	Prerequisites	Offered	Sem.	Grade
CHEM 105/L	General Chemistry I & Lab (GenEd-3)	4	MATH 110 with a 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)	W,S		/
CHEM 106/L	General Chemistry II & Lab	4	CHEM 105 & L	F,S		/
CHEM 351/L	Organic Chemistry I & Lab	4	CHEM 106/L; CHEM 201 co- or pre-requisite	W		/
CHEM 352/L	Organic Chemistry II & Lab	4	CHEM 351 & L	S		/
CHEM 381/L	Biochemistry I & Lab	4	CHEM 352/L, BIOL 112/L (completion of BIOL 376/L or 441/L is strongly recommended)	F,W		/
MATH 111	Trig & Analytic Geometry	3	MATH 110	F,W,S		
PHYS 121/L	General Physics I	4	MATH 112 and either High School Trigonometry or MATH 111	F,S		/
PHYS 122/L	General Physics II	4	PHYS 121 & L	F,S		/
CHEM 496R	Student Research	1	Permission	F,W,S		

Content Electives: 9 Credit Hours (9) Faculty Approved

MATH 112	Calculus I (GenEd - 3)	5	needed for PHYS 121	S		
BIOL 265/L	Molecular & Cellular Biology/Lab	4	BIOL 112/L, CHEM 105/L	F,W,S		

Education **38 Credits**

EDU 212	Foundations of Education	2		F,W,S		
EDU 200	Human Growth and Learning (GenEd)	3		F,W,S		

Recommended Elective:

HWST 101	Introduction to Hawaiian Studies (GenEd)	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,S		

Apply to School of Education

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*

SPED 300	Education of Exceptional Studies	3	EDU 212	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,S		
SCED 401	A Multicultural Approach to Reading in the Content Area	3	EDU 312, co-req with SCED 491	F,W,S		
SCED 430	Classroom Management	2	EDU 312, co-req with SCED 491	F,W,S		
SCED 491	Observation and Practicum	3	EDU 312, co-req SCED 401, SCED 430, and formal admission to SOE	F,W,S		
SCED 492	Student Teaching	12	SCED 491	F,W,S		

Total Credits Mapped for Graduation:

No grade below "C-" accepted

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



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CHEM 106/L	General Chemistry II & Lab	4	CHEM 105 & L	F,S		/
CHEM 351/L	Organic Chemistry I & Lab	4	CHEM 106 & L	W		/
CHEM 352/L	Organic Chemistry II & Lab	4	CHEM 351 & L	S		/
CHEM 381/L	Biochemistry I & Lab	4	CHEM 352 & L, BIOL 265 & L	F,W		/
MATH 111	Trig & Analytic Geometry	3	MATH 110	F,W,S		
PHYS 121/L	General Physics I	4	MATH 112 and either High School Trigonometry or MATH 111	F,S		/
PHYS 220/L	General Physics II	4	PHYS 121 & L	F,S		/
CHEM 496R	Student Research	1	Permission	F,W,S		

Content Electives: 9 Credit Hours (9) Faculty Approved

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BIOL 265/L	Molecular & Cellular Biology/Lab	4	BIOL 112, CHEM 105/L	F,W,S		

Education 38 Credits

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EDU 200	Human Growth and Learning (GenEd)	3		F,W,S		

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Switch-Track Firm Deadline Feb 15 May 15 Sept 15 <i>No Exceptions</i>		

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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,S		
SCED 401	A Multicultural Approach to Reading in the Content Area	3	EDU 312, co-req with SCED 491	F,W,S		
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