



**B.S. in Physical Science Education**  
**PHSCEDBS.2015 (mrs 1102-1104)**  
**64-82 credits**

Effective Date: 08/2015

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

**Science Content** **41 Credits**

Course #	Title	Hr.	Prerequisites	Offered	Sem.	Grade
ASTR 104	Principles of Astronomy	3		F		
MATH 212	Calculus I	5		F, W, S		
CHEM 105/L	General Chemistry I/Lab	4	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 351	Organic Chemistry I	3	CHEM 106/L w/C- or better, CHEM 201 (co- or prerequisite)	F, W		
CHEM 351L	Organic Chemistry I Lab	1	Co- or prerequisite: CHEM 351	F		
CHEM 352	Organic Chemistry II	3	CHEM 351 w/C- or better	F, W		
CHEM 352L	Organic Chemistry II Lab	1	CHEM 351/L; Co- or prerequisite: CHEM 352	W		
GEOL 105	Geology of the Pacific Basin	3		F, W, S		
PHYS 121/L	Introduction to Newtonian Mechanics/Lab	4	MATH 212 and either High School Trigonometry or MATH 111, and Passing a Comprehensive Mathematics Exam during 1 <sup>st</sup> week of semester. Sample Math exam available in Canvas.	F, W		
PHYS 220/L	Introduction to Electricity and Magnetism/Lab	4	PHYS 121/L w/C- or better, (Completion of MATH 213 is recommended)	W-even		
PHYS 221/L	Introduction to Waves, Optics, and Modern Physics/Lab	4	PHYS 121/L w/C- or better, (Completion of MATH 213 is recommended)	W-odd		

*Content Electives* (2) CHEM, PHYS, BIOCHEM, MATH Faculty Approved

**Education** **23-41 Credits**

Course #	Title	Hr.	Prerequisites	Offered	Sem.	Grade
EDU 212	Foundations of Education	2		F, W, S		
EDU 200	Human Growth and Learning in Schools	3		F, W, S		

*Recommended Elective:*

HWST 101	Introduction to Hawaiian Studies	3	Required for Hawaii License Track	F, W, S		
EDU 340	Multiculturalism & Cul. Resp. Tch (SIOP)	2	Required for International Track	F, W		

**Apply to School of Education**

<b>Non License Track</b> <input type="checkbox"/> All students begin in this track and can choose to stay here or apply by deadline for another track.	<b>Hawaii License Track</b> <input type="checkbox"/> Priority Deadline: Submit SoEd application by: Feb 15    May 15    Sept 15	<b>International Track</b> <input type="checkbox"/> Priority Deadline: Submit SoEd application by: Feb 15    May 15    Sept 15
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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 for Education majors/minors or TESOL 240 for TESOL major/certs only	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

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.