



B.S. in Biology Education
BIOLEDBS.2015 (mrs 1078-1080)
78 credits, incl. 6 GE credits

Effective Date: 08/2015

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

Biology Content 40 Credits

Science Core

Course #	Title	Hr.	Prerequisites	Offered	Sem.	Grade
BIOL 112/L	Biology I – Cell & Molecular Biology (GenEd)	4		F,W,S		
CHEM 105/L	General Chemistry I & Lab	4	MATH 110 with a C- or better, or ACT Math score higher than 22 or SAT Math score higher than 520. (<i>High School Chemistry or CHEM 101 highly recommended</i>)	W,S		/
CHEM 106/L	General Chemistry II & Lab	4	CHEM 105/L	F,S		/

Biology Core

BIOL 201/L	General Botany & Lab	4	BIOL 112/L	W		/
BIOL 206/L	General Zoology & Lab	4	BIOL 112/L	S		/
BIOL 220/L	Microbiology & Lab	4	¾ Science Core	F,W		/
BIOL 261/L	Elem Human Physiology & Lab	4	½ Science Core	F		/
BIOL 350/L	General Ecology & Lab	4	½ Science Core	F-odd		/
BIOL 376/L	Genetics & Lab	4	¾ Science Core	F,S		/

Chemistry (Required)

CHEM 351/L	Organic Chemistry I & Lab	4	CHEM 106/L; CHEM 201 co- or pre-requisite	W		/
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Education 38 Credits

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

Recommended Elective:

HWST 101	Intro. to Hawaiian Studies (GenEd)	3	<i>Required for U.S. Teacher License</i>	F,W,S		
EDU 340	Multiculturalism & Cul. Resp. Tch (SIOP)	2	<i>Recommended for International Teacher License</i>	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
Switch-Track Firm Deadline Feb 15 May 15 Sept 15 <i>No Exceptions</i>		

SPED 300	Education of Exceptional Students	3	EDU 212	F,W,S		
EDU 305	Computer & Technology 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 in Secondary Contexts	2	EDU 312, co-req with SCED 491	F,W,S		
SCED 491	Observation and Practicum	3	EDU 312, co-req with 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



B.S. in Biology Education
BIOLEDBS.2017 (mrs 1241-1243)
53-75 credits

Effective Date: 09/2017

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

Biology Content **35-39 Credits**

Biology Core **19 Credits**

Course #	Title	Hr.	Prerequisites	Offered	Sem.	Grade
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		
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. (<i>High School Chemistry or CHEM 101 highly recommended</i>)	F,W		
CHEM 106/L	General Chemistry II/Lab	4	CHEM 105/L w/C- or better	W,S		
BIOL 491	Introduction to Scientific Research	1	BIOL 113, 50% of Biology Core	F,W,S		
BIOL 492 or ENGL 315 or ENGL 316	Scientific Writing Topics for Advanced Writing and Analysis Technical Writing	3	BIOL 491 ENGL 101 and Jr. Status of 60+ credits ENGL 101 and Jr. Status of 60+ credits	F,W,S		

Biology Electives **16-20 Credits**

Select 5 courses with at least one course from each of the following three divisions

Cell and Molecular Biology						
BIOL 220/L or BIOL 222/L	Microbiology/Lab Marine Microbiology/Lab	4	BIOL 112/L, CHEM 105/L	S W		
BIOL 376/L	Genetics/Lab	4	BIOL 113, CHEM 105/L	F,W		
BIOL 441/L	Molecular Biology/Lab	4	BIOL 112/L, CHEM 106/L, (<i>completion of BIOL 220 or 376 is strongly recommended</i>)	F		
BIOL 442/L	Cellular Biology/Lab	4	BIOL 112/L, CHEM 106/L, (<i>completion of BIOL 376 is strongly recommended</i>)	W		
Organismal Biology						
BIOL 201	General Botany	3	BIOL 113	S		
BIOL 206/L	General Zoology/Lab	4	BIOL 113	F		
BIOL 212/L	Marine Biology/Lab	4	BIOL 113	S		
BIOL 260/L	Elementary Human Anatomy/Lab	3	BIOL 113, CHEM 105/L	W		
BIOL 261/L	Elementary Human Physiology/Lab	4	BIOL 113, CHEM 105/L	F		
BIOL 460	Advanced Human Anatomy	3	BIOL 260/L and Permission of Instructor	F		
BIOL 465/L	Principles of Physiology	4	BIOL 113, CHEM 106/L	F		
BIOL 475	Pathophysiology	3	Either BIOL 261/L or BIOL 465/L	W		
Ecology, Evolution, and Population Biology						
BIOL 204/L	Pacific Natural History/Lab	4	BIOL 113	S		
BIOL 248	Conservation Biology	3	BIOL 113	W		
BIOL 300/L	Animal Behavior/Lab	4	BIOL 113, CHEM 105/L	W		
BIOL 340 or MATH 221	Biostatistics Principles of Statistics	3	BIOL 113, CHEM 105/L MATH 107 or 110	W F,W,S		
BIOL 350/L	Ecology/Lab	4	BIOL 113, CHEM 105/L	F		
BIOL 374	Evolution and Human Prehistory	3	BIOL 113	S		
BIOL 376/L	Genetics/Lab	4	BIOL 113, CHEM 105/L	F,W		
BIOL 412/L	Marine Ecology/Lab	4	BIOL 212/L, CHEM 105/L	S		

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:						
HWST 101	Intro. 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		

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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		
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