



B.S. in Biology Education
BIOLEDBS.2017 (mrs 1454-1456)
55-77 credits

Effective Date: 09/2018

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

Biology Content **32-36 Credits**

Biology Core **16 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 (MATH 110 can be a corequisite if MATH 101 was completed-see Advisor), or ACT Math score 22+ or SAT Math score 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		
BIOL 490R	Current Topics in Biology	1	Senior status with 90+ credits	F,W,S		

Biology Electives **16-20 Credits**
 Select 5 courses (3 or 4 credit courses) with at least one course from each of the following three divisions. In addition, take at least one of these lab courses: BIOL 220L, 484L, and 485L.

Cell and Molecular Biology						
BIOL 220	Microbiology	3	BIOL 112/L, CHEM 105/L	S		
BIOL 220L	Microbiology Lab	1	Co- or prerequisite: BIOL 220	F,W,S		
BIOL 376	Genetics	3	BIOL 113, CHEM 105/L	F,W		
BIOL 441	Molecular Biology	3	BIOL 112/L, CHEM 106/L, (completion of BIOL 220 or 376 is strongly recommended)	F		
BIOL 442	Cellular Biology	3	BIOL 112/L, CHEM 106/L, (completion of BIOL 376 is strongly recommended)	W		
BIOL 484L	Biomolecular Methods Lab II – Nucleic Acids	1	Co- or prerequisite: BOL 376 or BIOL 441	F,W		
BIOL 485L	Biomolecular Methods Lab III – Mammalian Cells	1	Co- or prerequisite: Any of the following: CHEM 481, CHEM 482, BIOL 441, or BIOL 442	S		
Organismal Biology						
BIOL 201/L	General Botany/Lab	4	BIOL 113	S		
BIOL 212/L	Marine Biology/Lab	4	BIOL 113	S		
BIOL 260/L	Human Anatomy/Lab	3	BIOL 113, CHEM 105/L	W		
BIOL 261/L	Human Physiology/Lab	4	BIOL 113, CHEM 105/L	F		
BIOL 302/L	Invertebrate Zoology/Lab	4	BIOL 113	W		
BIOL 303/L	Vertebrate Zoology/Lab	4	BIOL 113	F		
BIOL 460	Advanced Human Anatomy	3	BIOL 260/L and Permission of Instructor	F		
BIOL 465	Principles of Physiology	3	BIOL 113, CHEM 106/L	F		
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	F		
BIOL 340 or MATH 121	Biostatistics Principles of Statistics	3	BIOL 113, CHEM 105/L MATH 107 or 110	S F,W,S		
BIOL 350/L	Ecology/Lab	4	BIOL 113, CHEM 105/L	F		
BIOL 374	Evolution and Human Prehistory	3	BIOL 113	W		
BIOL 376	Genetics	3	BIOL 113, CHEM 105/L	F,W		
BIOL 412/L	Coral Reef Ecology/Lab	4	BIOL 212/L, CHEM 105/L	S		

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	Intro. 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



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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.		Hawaii License Track <input type="checkbox"/> Priority Deadline: Submit SoEd application by: Feb 15 May 15 Sept 15		International Track <input type="checkbox"/> Priority Deadline: Submit SoEd application by: Feb 15 May 15 Sept 15	
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.