

B.S. in EDUCATION - BIOLOGY CHECKLIST Student _____

(Revised May 2014)

Advisor _____

BIOLOGY COURSES (28 cr)				Planned	Taken	Grade
Biology Core Courses (12 cr)						
BIOL	201	Principles of Ecology & Evolution	4cr			
BIOL	202	Principles of Cell & Molecular Biology	4cr			
BIOL	203	Principles of Genetics & Development	4cr			
Required Biology Courses (1 cr)						
BIOL	480	Biology Seminar	1cr			
Controlled Biology Electives (15 cr)*						
BIOL		(Cell & Mol.)				
BIOL		(Ecol.)				
BIOL		(Organism)				
BIOL						
BIOL						
*Select one course from each area: Cell & Molecular Area, Ecology Area, Organismal Area. A minimum of 6 cr must be in courses at the 400-level. At least one course must be a field biology course. No more than 6cr total from Independent Study, Special Topics, or Internship applies to major; excess applied as free electives.						
REQUIRED CHEMISTRY COURSES (16 cr)*						
CHEM	111	General Chemistry I	4cr			
CHEM	112	General Chemistry II	4cr			
CHEM	231	Organic Chemistry I	4cr			
CHEM	351	Biochemistry	4cr			
* CHEM 111-112 fulfill the Liberal Studies Natural Science Requirement. CHEM 113-114 may be substituted for CHEM 111-112. The two-semester sequence of BIOC 301-302 can be substituted for CHEM 351 to meet the biochemistry requirement.						
REQUIRED MATHEMATICS COURSES (6 cr)						
MATH	110	Elementary Functions*	3cr			
MATH	217	Probability and Statistics	3cr			
*MATH 110 fulfills the Liberal Studies Mathematics Requirement. MATH 121 Calculus I may substitute. MATH 217 also meets the criteria for Liberal Studies Elective.						
REQUIRED PHYSICS COURSES (4 cr)						
PHYS	151	Medical Physics Lecture	3cr			
PHYS	161	Medical Physics Lab	1cr			
REQUIRED GEOSCIENCE COURSES (4 cr)*						
GEOS	201	Fundamentals of Geoscience	4cr			
*Meets the criteria for Liberal Studies Elective.						
COLLEGE OF EDUCATION (31 cr)*						
Pre-professional Education Sequence:						
COMM	103	Digital Instructional Technology	3cr			
EDSP	102	Educational Psychology	3cr			
Professional Educational Sequence:						
EDEX	301	Education of Students with Disabilities in Inclusive Secondary Settings	2cr			
EDEX	323	Instruction of English Language Learners with Special Needs	2cr			
EDSP	477	Assessment of Student Learning: Design and Interpretation of Educational Measures	3cr			
EDUC	242	Pre-student Teaching Clinical Experience I	1cr			
EDUC	342	Pre-student Teaching Clinical Experience II	1cr			

