

B.S. in BIOLOGY CHECKLIST
Ecology, Conservation, & Envir. Biology Track
 (Revised November 2016)

Student _____

Advisor _____

BIOLOGY COURSES (36-37 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 (18-19 cr)						
BIOL	210	Botany	3cr			
BIOL	220	General Zoology	3cr			
BIOL	272	Conservation of Plant and Animal Resources	3cr			
BIOL	362	Ecology	3cr			
BIOL	451	Evolutionary Biology	3cr			
BIOL	490	Field Studies in Biology (Field Research Methods Section only)	3cr			
		<i>or</i>	4cr			
BIOL	450	Field Biology at Pymatuning Laboratory of Ecology (Field Methods in Ecology and Conservation Section only)				
Controlled Biology Electives (6 cr)*						
BIOL						
BIOL						
* No more than 6cr total from Independent Study, Special Topics, or Internship applies to major; excess applied as free electives.						
REQUIRED CHEMISTRY COURSES (8 cr)*						
CHEM	111	General Chemistry I	4cr			
CHEM	112	General Chemistry II	4cr			
* Fulfills the Liberal Studies Natural Science Requirement. CHEM 113-114 may be substituted.						
REQUIRED MATHEMATICS COURSES (7 cr)						
MATH	121	Calculus I*	4cr			
MATH	216	or MATH 217 Probability and Statistics	3cr			
*MATH 121 fulfills the Liberal Studies Mathematics Requirement. MATH 216 or 217 fulfills the Liberal Studies Elective Requirement.						
REQUIRED PHYSICS COURSES (4 cr)						
PHYS	111	Physics I Lecture	3cr			
PHYS	121	Physics I Lab	1cr			
REQUIRED GEOSCIENCE COURSES (4 cr)						
GEOS	201	Foundations of Geology	4cr			
CONTROLLED ELECTIVES (15 cr)*						
* Select from: ANTH 420; BIOC 301, 302, 311, 312, 401, 480, 490; CHEM 231, 232, 351; COSC 105, 110; ECON 361; GEOG 343, 345, 419; GEOG/RGPL 231, 314, 316, 415, 417, 440, 464; GEOS 201, 202, 203, 303, 310, 311, 312, 313, 351, 352, 353, 354, 362, 370, 371; MATH 122, 417, 418; PHYS 112, 122, 151, 161; PSYC 290, 291, 315, 331, 341, 342 or 345, 350, 355, 356, 359, 372; RGPL 350, 458. Other appropriate major courses at 200-level and above (excluding liberal studies courses) in the above departments may be substituted with permission of the advisor and the biology department chairperson in advance of taking the course.						

FOREIGN LANGUAGE REQUIREMENT (0-6 cr)*						
* a) Two courses in one language, including the placement course; or b) intermediate level. In lieu of a foreign language, students may elect to take a sequence of two courses in either Computer Science, exclusive of COSC 101 (COSC 110 and 210 recommended), or two courses in Geography/Regional Planning (from the following: GEOG/RGPL 213, 314, 316, 415, 417)						
ADDITIONAL LIBERAL STUDIES REQUIREMENTS				Planned	Taken	Grade
Learning Skills:						
ENGL	101	English Composition I	3cr			
ENGL	202	English Composition II	3cr			
Knowledge Areas – Humanities:						
HIST			3cr			
PHIL/RLST			3cr			
ENGL	121	Humanities: Literature	3cr			
Knowledge Areas – Fine Arts:						
			3cr			
Knowledge Areas – Dimensions of Wellness:						
			<i>or</i> 3cr			
MLSC	101	Intro. to Military Science & Lab	2cr			
MLSC	102	Fundamentals of Military Sci. & Lab	2cr			
Knowledge Areas – Social Sciences*:						
			3cr			
			3cr			
			3cr			
*No course prefix may be used more than once. One of these courses may fulfill the Liberal Studies Global & Multicultural Awareness Requirement.						
Knowledge Areas – Liberal Studies Elective:						
MATH	216	or MATH 217 Probability and Statistics	3cr			
Global & Multicultural Awareness Course:						
Two ‘Writing Intensive’ Courses (at least one in major):						
FREE ELECTIVES (10-16 cr):						
EXIT SURVEY REQUIREMENT:			DATE TAKEN:			
COMMENTS:						