

B.S. in BIOLOGY CHECKLIST
Ecology, Conservation, & Evolutionary Biology Track
 (Revised Spring 2020)

Student _____
 Advisor _____

BIOLOGY COURSES (42-43 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 (21-22 cr)						
BIOL	205	Ecological Methods	3cr			
BIOL	210	Plant Biology	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)	3or 4cr			
BIOL	450	Field Biology at Pymatuning Laboratory of Ecology (Field Methods in Ecology and Conservation Section only)				
Controlled Biology Electives (9 cr)¹						
BIOL						
BIOL						
BIOL						
(1) No more than 6cr total from Independent Study, Special Topics, Honors Thesis, 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	217	or MATH 216 Probability and Statistics	3cr			
*MATH 121 fulfills the Liberal Studies Mathematics Requirement; MATH 216 or 217 fulfills the Liberal Studies Elective Requirement.						
OTHER SCIENCE REQUIREMENTS (7 cr)						
GEOS	201	Foundations of Geology	4cr			
GEOG	316	Introduction to Geographic Info. Systems	3cr			
CONTROLLED ELECTIVES (10 cr)²						
* Select from the following (cannot include Liberal Studies Elective, or courses counting toward Other Requirements): A course at the 200-level or higher in addition to specified courses from the following majors: ANTH; BIOC; BIOL; CHEM; COSC 110; ECON 121, 122; ENVE 101; GEOG; GEOS; MATH 122, 171; PHYS 111, 121; PSYC; PUBH 122; RGPL; SUST. Additional courses: CRIM 374; FDNT 470; PHIL 270, 330; SAFE 310above (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. (2) Other appropriate BIOL 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 chair in advance of taking the course.						

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:						
FREE ELECTIVES (15-16 cr)^{3,4}						
(3) Free electives may be used towards a minor or certificate in Geography/Regional Planning, Sustainability, Applied Statistics, Chemistry, Forensic Biosciences, Environmental Microbiology, Foreign Language, or other areas of interest.						
(4) Excluding prerequisite, cognate, liberal studies, college core courses, no more than 2 Majors courses can be shared between a major and minor.						
EXIT SURVEY REQUIREMENT:				DATE TAKEN:		
COMMENTS:						