School of BIOLOGICAL SCIENCES
COLLEGE OF SCIENCE | THE UNIVERSITY OF UTAH

ATTENTION:
Changes to the course schedule/repeated coursework may affect your plan. YOU are responsible for ensuring all degree requirements are met. Please see an Academic Advisor at least once a year.

BACHELOR OF SCIENCE OR ARTS IN BIOLOGY WITH AN ECOLOGY, EVOLUTION & ENVIRONMENTAL BIOLOGY EMPHASIS STARTING FALL 2024

IMPORTANT INFORMATION TO REMEMBER:
Students MUST complete a minimum of 40 Upper Division Hours (3000+ level courses)
Students MUST complete a minimum of 42 Biology credit hours
Students MUST complete a minimum 16 Upper Division Biology Hours (3000+ level courses)
Students MUST complete 21 Biology Residency Hours that MUST be taken at the U

SCIENCE CORE

COURSE	TITLE	CREDITS	SEMESTER
MATH 1170 OR MATH 1210	CALCULUS FOR BIOLOGIST I OR CALCULUS I	4	
MATH 1180 OR MATH 1220	STATS W/CALCULUS FOR BIOLOGIST II OR CALCULUS II	4	
CHEM 1210	GEN CHEMISTRY I	4	
CHEM 1215	GEN CHEMISTRY LAB I	1	
CHEM 1220	GEN CHEMISTRY II	4	
CHEM 1225	GEN CHEMISTRY LAB II	1	
CHEM 2310	ORGANIC CHEMISTRY I	4	
PHYS 2010	GENERAL PHYSICS I	4	
PHYS 2020	GENERAL PHYSICS II	4	

BIOLOGY CORE

COURSE	TITLE	CREDITS	SEMESTER
BIOL 1610	FUND. OF BIOLOGY I	4	
BIOL 1615	FUND. OF BIOLOGY LAB I	1	
BIOL 1620	FUND. OF BIOLOGY II	4	
BIOL 1625	FUND. OF BIOLOGY LAB II	1	
BIOL 2020 OR BIOL 2021	PRINC. OF CELL BIOLOGY OR PRINC. OF CELL SCIENCE (HONORS)	3 OR 4	
BIOL 2030	GENETICS	3	
BIOL 3410	ECOLOGY & EVOLUTION	3	
BIOL 3510	BIOLOGICAL CHEMISTRY	3	

EMPHASIS REQUIRED COURSES
COMPLETE 3 EMPHASIS ELECTIVES

COURSE	TITLE	CREDITS	SEMESTER
BIOL 3150	GENOMICS & BIOINFORMATICS	3 [L1]	
BIOL 3310	COMP VERTEBRATE MORPHOLOGY	3	
BIOL 3320	COMP PHYSIOLOGY	3	
BIOL 3340	INTRO TO PLANT BIOLOGY	3	
BIOL 3380	EVO & PHYSIOLOGY BASIS OF HEALTH	3	
BIOL 3430	ANIMAL BEHAVIOR	3	
BIOL 3460	GLOBAL ENVIRONMENTAL ISSUES	3	
BIOL 3470	CONSERVATION BIOLOGY	3	
BIOL 5221	HUMAN EVOLUTIONARY GENETICS	4 [L1]	
BIOL 5275	MICROBIAL DIVERSITY, GENOMICS & EVOLUTION	4 [L1]	
BIOL 5350	ORNITHOLOGY	3	
BIOL 5370	MAMMALOGY	3	
BIOL 5425	MYCOLOGY	4 [L1]	
BIOL 5435	PLANT SYSTEMATICS	4 [L1]	
BIOL 5440	URBAN ECOLOGY	3	
BIOL 5471	QUANTITATIVE MODELS IN EVOL ECOLOGY	3	
BIOL 5480	ENTOMOLOGY	3	
BIOL 5490	ECOSYSTEM ECOLOGY	3	
BIOL 5495	BIOPHYSICAL ECOLOGY	4 [L1]	
BIOL 5510	GENES, DEVLOPMENT & EVOLUTION	3	
BIOL 5570	ECO & EVO PARASITES AND PATHOGENS	3	

BIOL 5221, 5275, 5425, 5435, 5495 CAN COUNT IN BOTH SECTIONS

COMPLETE 1 REQUIRED EMPHASIS LAB

COURSE	TITLE	CREDITS	SEMESTER
BIOL 3125	MOL TOOLS FOR EVO & POPULATION BIOLOGY	3 [L2]	
BIOL 3315	COMP VERTEBRATE MORPHOLOGY LAB	1 [L1]	
BIOL 3325	COMP PHYSIOLOGY LAB	3 [L2]	

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BIOL 3485	CONSERVATION BIOLOGY FIELD LAB	1 [L1]	
BIOL 5221	HUMAN EVOLUTIONARY GENETICS	4 [L1]	
BIOL 5275	MICROBIAL DIVERSITY, GENOMICS & EVOLUTION	4 [L1]	
BIOL 5221	MICROBIAL DIVERSITY, GENOMICS & EVOLUTION	4 [L1]	
BIOL 5355	ORNITHOLOGY FIELD LAB	1 [L1]	
BIOL 5425	MYCOLOGY	4 [L1]	
BIOL 5435	PLANT SYSTEMATICS	4 [L1]	
BIOL 5455	DESERT FIELD ECOLOGY	3 [L1]	
BIOL 5485	ENTOMOLOGY LAB	1 [L1]	
BIOL 5495	BIOPHYSICAL ECOLOGY	4 [L1]	
BIOL 5575	ECO & EVO PARASITES AND PATHOGENS LAB	1 [L1]	
BIOL 5665	COMPUTATIONAL PALEOBIOLOGY	3 [L1]	

BIOL 5221, 5275, 5425, 5435, 5495 CAN COUNT IN BOTH SECTIONS

COMPLETE 2 5000-LEVEL BIOLOGY COURSES
NEEDS TO BE AT LEAST 2 CREDIT HOURS

COURSE	TITLE	CREDITS	SEMESTER

COMPLETE AT LEAST 2 ADDITIONAL BIOLOGY LAB COURSES TOTALLING 3 LAB UNITS

COURSE	TITLE	LAB UNITS	SEMESTER

OTHER BIOLOGY COURSES NEEDED FOR THE REQUIRED 42 BIOLOGY HOURS

COURSE	TITLE	CREDITS	SEMESTER

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