

**BACHELOR OF SCIENCE OR ARTS IN BIOLOGY TEACHING**  
**STARTING FALL 2025**

**IMPORTANT INFORMATION TO REMEMBER:**

- Students MUST complete a minimum of 40 Upper Division Hours (3000+ level courses)
- Students MUST complete a minimum of 29 Biology credit hours
- Students MUST complete a minimum of 30 Science credit hours (not including BIOL courses)
- Students MUST complete 21 Biology Residency Hours that MUST be taken at the U
- Students MUST complete TWO Biology Labs at the U
- All major courses MUST be completed with a C- or better

**SCIENCE CORE**

COURSE	TITLE	CREDITS	SEMESTER
MATH 1050 & MATH 1060 OR MATH 1080	COLLEGE ALGEBRA & TRIGONOMETRY OR PRECALCULUS	4 & 3 OR 5	
MATH 1170 OR MATH 1210	CALCULUS FOR BIOLOGIST I OR CALCULUS I	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	

**ENVIROMENTAL SCIENCE**  
**COMPLETE 1 COURSE**

COURSE	TITLE	CREDITS	SEMESTER
GEO 1030	LIVING W/EARTHQUAKES & VOLCANOES	3	
GEO 1100	EVOLVING EARTH	3	
GEO 1120	INTRO TO EARTH SYSTEM SCIENCE	3	
ATMOS 1010	SEVERE/UNUSUAL WEATHER	3	
ATMOS 1020	CLIMATE CHANGE	3	

**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	

**INEGRATIVE ORGANISMAL BIOLOGY ELECTIVES**  
**COMPLETE 1 COURSE**

COURSE	TITLE	CREDITS	SEMESTER
BIOL 3150	GENOMICS AND BIOINFOMATICS	3 [L1]	
BIOL 3210	GENERAL & PATHOGENIC MICROBIOLOGY	3	
BIOL 3240	INRO TO CELLULAR NEUROBIOLOGY	3	
BIOL 3310	COMP VERTEBRATE MORPHOLOGY	3	
BIOL 3320	COMP PHYSIOLOGY	3	
BIOL 3330	BEHAVIORAL NEUROBIOLOGY	3	
BIOL 3340	INTRO TO PLANT BIOLOGY	3	
BIOL 3350	PHYSIOLOGY OF PLANTS	3	
BIOL 3370	MICROBIAL BIOLOGY	3	
BIOL 3430	ANIMAL BEHAVIOR	3	
BIOL 5350	ORNITHOLOGY	3	
BIOL 5370	MAMMALOLOGY	3	
BIOL 5425	MYCOLOGY	4 [L1]	
BIOL 5480	ENTOMOLOGY	3	
BIOL 5510	GENES, DEVELOPMENT, & EVOLUTION	3	

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**REQUIRED BIOLOGY LAB  
COMPLETE 1 COURSE**

COURSE	TITLE	CREDITS	SEMESTER
BIOL 3125	MOL TOOLS FOR EVOL & POP BIOLOGY	3 [L2]	
BIOL 3205	GENERAL MICROBIOLOGY LAB	1 [L1]	
BIOL 3315	COMP VERT MORPH LAB	1 [L1]	
BIOL 3325	COMP PHYSIOLOGY LAB	3 [L2]	
BIOL 3485	CONSERVATION BIOLOGY LAB	1 [L1]	
BIOL 3515	BIOCHEMISTRY LAB	3 [L1]	
BIOL 3525	MOLECULAR BIOLOGY OF A DNA LAB	3 [L2]	
BIOL 5255	PROKARYOTIC GENETICS	4 [L2]	
BIOL 5275	MICROBIAL DIVERSITY, GENOMICS AND EVOL	4 [L2]	
BIOL 5355	ORNITHOLOGY LAB	1 [L1]	
BIOL 5425	MYCOLOGY	4 [L1]	
BIOL 5485	ENTOMOLOGY LAB	1 [L1]	
BIOL 5575	ECO & EVO PARASITES & PATHOGENS LAB	1 [L1]	
BIOL 5665	COMPUTATIONAL PALEOBIOLOGY	3 [L1]	

**COMPLETE 1 5000-LEVEL BIOLOGY COURSE  
THAT IS AT LEAST 2 CREDIT HOURS**

COURSE	TITLE	CREDITS	SEMESTER

**COMPLETE 1 ADDITIONAL BIOLOGY LAB COURSE**

COURSE	TITLE	CREDITS	SEMESTER

**OTHER BIOLOGY COURSES NEEDED FOR THE REQUIRED  
29 BIOLOGY HOURS OR ADDITIONAL SCIENCE  
ELECTIVES**

COURSE	TITLE	CREDITS	SEMESTER

**REQUIRED EDUCATION COURSES  
COMPLETE ALL COURSES**

COURSE	TITLE	CREDITS	SEMESTER
EDU 1010	INTRO TO TEACHING	3	
ECS 2150	INTRO TO MULTICULTURAL EDUCATION	3	
EDPS 2723	CHILD DEVELOP & LEARNING: UNDERSTANDING	3	

	ADOLESCENTS GRADES 7-12		
EDU 5170	SECONDARY SCIENCE METHODS	3	
ECS 5709	BUILDING FAMILY-SCHOOL PARTNERSHIPS FOR YOUTH SUCCESS	3	

**COMPLETE 1 COURSE**

COURSE	TITLE	CREDITS	SEMESTER
ETHNC 2550	AFRICN AMER EXPERIENCES	3	
ETHNC 2560	INTRO TO CHICANX/LATINE STUDIES	3	
ETHNC 2570	AMERICAN INDIAN EXPER	3	
ETHNC 2580	ASIAN AMERICAN EXPER	3	
ETHNC 2590	PACIFIC ISLANDER AM EXP	3	

**IMPORTANT INFORMATION TO REMEMBER:**

Students interested in obtaining a Secondary Education Teaching License MUST contact the Secondary Education Advisor for information on licensure coursework. A Secondary Education degree audit should also be generated based on the year the student was admitted to the University of Utah

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