

University of Wyoming Sample Four-Year Degree Plan
Catalog Year: 2018-19

Secondary Biology Education, BA with Concurrent Major in Biology



This sample degree plan is a guide, to be used for planning in consultation with your academic advisor. Actual course sequence may vary by student. A ▲ symbol identifies courses that must be taken and passed during the suggested semester in order for a student to stay on track toward completing the degree program within four years.

Sequence	Course Prefix	Course Number	Course Title	Credit Hours	Min Grade	Notes
----------	---------------	---------------	--------------	--------------	-----------	-------

Freshman Fall Semester

			USP First-Year Seminar	3	C	FY
	CHEM	1020	General Chemistry I *	4	C	PN
	LIFE	1010	General Biology **	4	C	PN
	MATH	2200	Calculus I ***	4	C	Q
Credit hours subtotal:				15		

Freshman Spring Semester

	COSC	1010	Introduction to Computer Science I	4	C	Can substitute COSC 1030 (Computer Science).
	ENGL	1010	College Composition and Rhetoric	3	C	C1. Honors Program can substitute HP 1020.
	EDST	2450	Foundations of Development and Learning ****	3	C	H- Prerequisite: Minimum UW GPA of 2.50.
	ITEC	2360	Teaching with Technology ****	3	C	Prerequisite of a 2.5 cumulative UW gpa.
	LIFE	2022	Animal Biology	4	C	Can substitute MOLB 2021 (General Microbiology).
Credit hours subtotal:				17		

Sophomore Fall Semester

	LIFE	2023	Biology of Plants and Fungi	4	C	Can substitute MOLB 2021 (General Microbiology).
	PHYS	1110	General Physics I	4	C	
	STAT	2050	Fundamentals of Statistics	4	C	
			USP UIS & Wyoming Constitution	3	C	V- Required for WY Substitute Teaching Permit.
Credit hours subtotal:				15		

Sophomore Spring Semester

	CHEM	2300	Introductory Organic Chemistry	4	C	
	EDST	2480	Diversity and the Politics of Schooling	4	C	H- Must meet all prerequisites for Phase I. #
	LIFE	3050	Genetics	4	C	
	PHYS	1120	General Physics II	4	C	
Credit hours subtotal:				16		

This is a guide for course work in the major; actual course sequence may vary by student. Please refer to the online student degree evaluation, and consult with an academic advisor. • Not all courses are offered every semester and some electives may have prerequisites. Students should review the course descriptions in the University Catalog and consult with their academic advisor to plan accordingly.

University of Wyoming requirements:

Students must have a minimum cumulative GPA of 2.0 to graduate. • Students must complete 42 hours of upper division (3000-level or above) coursework, 30 of which must be from the University of Wyoming. • Courses must be taken for a letter grade unless offered only for S/U. • University Studies Program (USP) Human Culture (H) and Physical & Natural World (PN) courses must be taken outside of the major subject, but can be cross-listed with the major.

College of Education requirements:

The College of Education maintains rigorous admission standards to ensure the quality of preparation for future educators. This plan assumes students are able to start taking 1000-level courses the first semester of college. All professional education courses and all major content courses must be completed with a grade of C or higher. A minimum 2.50 gpa is required in major content. Current UW students wishing to change their major, students seeking re-admission to UW, or those transferring to UW from another institution can learn more about the specific admission requirements for these groups at: <http://www.uwyo.edu/ste/teacher-preparation-and-advising-office/admission%20requirements.html>. All students must undergo and pass an initial criminal background check prior to full admission to the College of Education. Any costs associated with the background check are the responsibility of the student. A second background check is included as part of the state application process for the Wyoming Substitute Teaching Permit, which is required for admission to Phase II of UW's teacher education program. Criminal background checks are a standard for the profession.

Notes continued on next page(s).

University of Wyoming Sample Four-Year Degree Plan
Catalog Year: 2018-19

Secondary Biology Education, BA with Concurrent Major in Biology



Sequence	Course Prefix	Course Number	Course Title	Credit Hours	Min Grade	Notes
----------	---------------	---------------	--------------	--------------	-----------	-------

Junior Fall Semester

	EDEX	2484	Introduction to Special Education	3	C	Admission to Phase I of the program required. #
	LIFE	3500	Evolutionary Biology	3	C	
	MOLB	3610	Principles of Biochemistry	4	C	
			Environmental Biology Elective	3	C	
			Upper Division Biology Elective *****	3	C	
Credit hours subtotal:				16		

Junior Spring Semester

			Earth/Space Science Elective	3	C	
	EDST	3000	Teacher as Practitioner	6	C	C2. Admission to Phase II required. #
	EDST	3550	Educational Assessment	2	C	Prerequisites: EDST 2480; USP Q; 2.75 UW cumulative
	LIFE	3400	General Ecology	3	C	Prerequisites: completion of LIFE 1010 & one of LIFE 2022, 2023 or MICR/MOLB 2021 or 2240
Credit hours subtotal:				14		

Senior Fall Semester

▲	EDSE	3275	Methods I: Secondary Biology Education	3	C	Admission to Phase IIIa of the program required. #
▲	EDSE	4275	Methods II: Secondary Biology Education	4	C	C3; Admission to Phase IIIa of the program required. #
	LIFE	3600	Cell Biology	4	C	
			Upper Division Biology Elective*****	3	C	
Credit hours subtotal:				14		

Senior Spring Semester

▲	EDSE	4500	Residency in Teaching	15	S	Offered spring semester only. Admission to Phase IIIb of the program required. #
Credit hours subtotal:				15		

TOTAL CREDIT HOURS 122

College of Education requirements continued:

Bachelors degrees in the College of Education operate in a series of phases: Phase I, Phase II, Phase IIIa, and Phase IIIb. Continuation in the program in any content area is dependent upon the successful completion of prerequisites for each phase. A minimum 2.75 cumulative UW gpa is required for Phase II, and Phases IIIa/IIIb of the program, and to meet College of Education graduation requirements. Specific information about these requirements can be found on the program sheets for each content area that are located at:

<http://www.uwyo.edu/ste/teacher-preparation-and-advising-office/majors-and-program-sheets/>.

Concurrent Majors: All Secondary Education degree programs in the College of Education include a concurrent major in the student's content area.

Secondary Biology Education with Concurrent Major in Biology Program notes:

* Requires MATH ACT \geq 23, MATH SAT \geq 560, Math Placement Exam \geq 3, or concurrent enrollment in MATH 1400, 1405 or 1450.

** Requires MATH ACT \geq 21, MATH SAT \geq 530, Math Placement Exam \geq 2, or concurrent enrollment in MATH 1400 or higher.

*** Requires MATH ACT \geq 27, MATH SAT \geq 640, Math Placement Exam \geq 5, or completion of MATH 1405 or 1450. (University

**** The course prerequisite of a 2.50 cumulative UW gpa is waived for new, incoming students who have declared education as their major for their first semester only.

***** Please consult with an academic advisor or check the program sheet for allowable elective courses.

Revised 6/2019