



Wyoming Transfer Alignment Guide (WyoTAG)

Biology, B. S.

The Bachelor of Science degree in Biology is designed to provide a thorough foundation in biology as well as other supporting areas of physical and life sciences and mathematics while providing flexibility and student choice.

Degree Requirements

This degree requires 120 credits, 42 of which are upper-division credits.

Additional Information

The biology major is designed for students interested in obtaining a broad education in biological sciences. It enables students to combine courses in biology, botany, zoology, physiology, and other biological sciences to meet the requirements of the major. On completion of the core requirements for the major, specific courses selected to complete the major may vary according to students' interests and are worked out by consultations between student and advisor. The requirements for a Bachelor of Science degree in biology are as follows:

A grade of C or better is required in all major classes.

The degree program is administered by the Department of Botany.

University Studies Program

This degree requires that The University Studies Program 2015 requirements are met before graduation. Some of the courses required for this major fulfill USP requirements, but not all. Students should check their degree evaluations and consult with their assigned academic advisor to discuss their specific course plan.

Course Name	Credits	UW Course in Major	AA/AS/AB/ADN satisfies this USP
C 1-Communication 1 (COM1)	3		X
C 2-Communication 2 (COM2)	3		X
C 3-Communication 3 (COM3)	3	(Must be completed at UW)	
Q-Quantitative Reasoning (Q)	3		X
PN-Physical and Natural World (1) (PN)	3		X
PN-Physical and Natural World (2) (PN)	3		X
H-Human Culture (1) (H)	3		X
H-Human Culture (2) (H)	3		X
V-US & WY Constitution (V)	3		X
FYS or USP Elective-Any 3-credit hour of FYS or 3-credit hours of USP electives	3		X

Note: FYS courses have been paused. 3 hours from any additional USP designated courses is still required.

Course Requirements - Lower Division Courses: 42 Hours

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
LIFE 1010 - General Biology PN	4	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1
MATH 1400 - College Algebra Q	3	X	X	X	X	X	X	X
MATH 1405 - Trigonometry Q	3	X	X	X	X	X	X	X
MATH 2200 - Calculus I Q	4	X	X	X	X	X	X	X
CHEM 1020 - General Chemistry I PN OR CHEM 1000 - Introductory Chemistry PN	4	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2
CHEM 2300 - Introductory Organic Chemistry	4	X	X	X		X	X	
PHYS 1110 - General Physics I PN	4	X	X	X	X	X	X	X
PHYS 1120 - General Physics II PN	4	X	X	X	X	X	X	X
LIFE 2100 - Intro Research and Analysis Q	4			Note 3				
STAT 2050 - Fundamentals of Statistics Q	4	X	X	X	X	X	X	X

Foundational Biology Choose two from the following:

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
LIFE 2022 - Animal Biology	4	Note 4	Note 4		Note 4	Note 4		Note 4
LIFE 2023 - Biology of Plants and Fungi	4	Note 5			Note 5	Note 5	Note 5	Note 5
MICR/MOLB 2021 - General Microbiology	4	Note 6	Note 6	Note 6		Note 6	Note 6	Note 6

Upper Division Courses: 18 Hours

Course Name	Credits	
BOT 4444 - Biology Capstone C3	3	UW Course
LIFE 3050 - Genetics	4	UW Course
LIFE 3400 - General Ecology	3	UW Course
LIFE 3500 - Evolutionary Biology	3	UW Course
LIFE 3600 - Cell Biology	4	UW Course
MOLB 3610 - Principles of Biochemistry	4	UW Course

Notes:

Note 1: All WYCCs offer BIOL 1010 which is equivalent to LIFE 1010.

Note 2: All WYCCs offer both CHEM 1000 and CHEM 1020.

Note 3: EWC offers BIOL 2100 which is equivalent to LIFE 2100.

Note 4: BIOL 2022 is equivalent to LIFE 2022.

Note 5: BIOL 2023 is equivalent to LIFE 2023.

Note 6: MOLB 2210 is equivalent to LIFE/MICR/MOLB 2021.

COURSE SUBSTITUTIONS: WyoTAGs reflect published equivalencies. UW academic departments occasionally arrange for course substitutions when indirect equivalencies exist. Please contact your UW Academic Advisor for details.

EFFECTIVE DATE: This document is in effect as of the 2026-2027 catalog year; it reflects the published UW curriculum as of that date. Any changes to the UW curriculum or the WYCC course equivalents will require this document to be updated. To request an updated document, faculty should contact transfer@uwyo.edu via email.