2025-2026 Block Transfer Map: Qualifying Transfer Associate Degree from a Wyoming Community College to the University of Wyoming

Microbiology, B.S.

This Block Transfer has been written for students who have earned a qualifying transfer associate degree *(Associate of Arts (AA), Associate of Science (AS), Associate of Business (AB), or Associate Degree in Nursing (ADN)* with a minimum of sixty (60) credits in any major from one of the Wyoming Community Colleges (WYCC) who wish to complete the Bachelors in Microbiology at the University of Wyoming (UW).

While some of the courses taken for the associate degree at the Community College are not specified in this document, the UW degree program relies on the foundational coursework completed for the associate degree to prepare the student for baccalaureate-level study.

Students may create a WyoTransfer account now to see how all completed coursework fulfills specific degree requirements.

Courses/categories that could/should be taken at the WYCCs are highlighted in GREEN. Students may satisfy these requirements by taking an equivalent course at a community college. The UW course is listed on the left; if a community college offers an equivalent course, it will be listed under the community college name in the table.
Courses/categories that are offered at some (but not all) of the WYCCs and at UW are highlighted in TURQUOISE. Students may take these courses at a community college that offers an equivalent course or after transferring to UW.
Courses/categories that must be taken at UW are highlighted in GOLD. If a student wishes to take any of these courses at another institution, they must speak with their UW academic adviser.

BLOCK 1: University Studies Program (USP) Requirements

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.

Please refer to the University Catalog and click on the link in the left-hand navigation pane titled "The University Studies Program 2015" for more information.

A grade of C or above is required for University Studies Program (USP) categories: FYS, C1, C2, and C3.

	USP Requirement	UW Course in Major
C1	Communication 1 (3cr)	Satisfied upon completion of qualifying associate degree
C2	Communication 2 (3cr)	Satisfied upon completion of qualifying associate degree
C3	Communication 3 (3cr)	MICR 4321
Q	Quantitative Reasoning (3cr)	STAT 2050
PN	Physical and Natural World 1 (3cr)	CHEM 1020
PN	Physical and Natural World 2 (3cr)	CHEM 1030
H	Human Culture 1 (3cr)	Satisfied upon completion of qualifying associate degree
H	Human Culture 2 (3cr)	Satisfied upon completion of qualifying associate degree
V	U.S. & WY Constitution (3cr)	Satisfied upon completion of qualifying associate degree
	Any 3-credit hour of FYS or 3-credit hours of USP electives (3cr)	Satisfied upon completion of qualifying associate degree

Articulation Microbiology, B.S.

This interdepartmental program is comprised of core and elective courses in the basic sciences, general microbiology, genomics/proteomics, medical, and environmental microbiology. Students may also participate in faculty-mentored research projects.

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BLOCK 2: Lower Division Requirements

University of Wyoming Requirements:

- Total minimum credits required (including transfer credit) is 120 credits.
- Students must complete 42 hours of upper division (3000-level or above) coursework, 30 of which must be taken in residence at UW.
- No more than 4 credits of physical activity may be applied to the minimum credit hour requirement for UW baccalaureate degree.
- Minimum Cumulative GPA is 2.00.
- The UW Office of the Registrar provides final approval of degree completion requirements prior to the awarding of any degree.

UW Courses	Casper College	Central Wyoming College	Eastern Wyoming College	Laramie County Community College	Northern Wyoming Community College District	Northwest College Wyoming	Western Wyoming Community College
Course Requirements							
MATH 1405 - Trigonometry (3cr) (Q) **OR** MATH 1450 - Algebra and Trigonometry (5cr) (Q) **OR** MATH 2200 - Calculus I (4cr) (Q)	MATH 1405 OR MATH 1450 OR MATH 2200	MATH 1405 OR MATH 1450 OR MATH 2200	MATH 1405 OR MATH 2200	MATH 1405 OR MATH 2200	MATH 1405 OR MATH 1450 OR MATH 2200	MATH 1405 OR MATH 1450 OR MATH 2200	MATH 1405 OR MATH 1450 OR MATH 2200
STAT 2050 - Fundamentals of Statistics (4cr) (Q)	STAT 2050	STAT 2050	STAT 2050	STAT 2050	STAT 2050	STAT 2050	STAT 2050
LIFE 1010 - General Biology (4cr) (PN)	BIOL 1010	BIOL 1010	BIOL 1010	BIOL 1010	BIOL 1010	BIOL 1010	BIOL 1010
LIFE 2022 - Animal Biology (4cr) **OR** LIFE 2023 - Biology of Plants and Fungi (4cr)	BIOL 2022 OR BIOL 2023	BIOL 2022		BIOL 2022 OR BIOL 2023	BIOL 2022 OR BIOL 2023	BIOL 2023	BIOL 2022 OR BIOL 2023
CHEM 1020 - General Chemistry I (4cr) (PN)	CHEM 1020	CHEM 1020	CHEM 1020	CHEM 1020	CHEM 1020	CHEM 1020	CHEM 1020
CHEM 1030 - General Chemistry II (4cr) (PN)	CHEM 1030	CHEM 1030	CHEM 1030	CHEM 1030	CHEM 1030	CHEM 1030	CHEM 1030
CHEM 2420 - Organic Chemistry I (4cr)	CHEM 2420	CHEM 2420	CHEM 2420	CHEM 2420	CHEM 2420	CHEM 2420	CHEM 2420
CHEM 2440 - Organic Chemistry II (4cr)	CHEM 2440	CHEM 2440	CHEM 2440	CHEM 2440	CHEM 2440	CHEM 2440	CHEM 2440
PHYS 1110 - General Physics I (4cr) (PN)	PHYS 1110	PHYS 1110	PHYS 1110	PHYS 1110	PHYS 1110	PHYS 1110	PHYS 1110
PHYS 1120 - General Physics II (4cr) (PN)	PHYS 1120	PHYS 1120	PHYS 1120	PHYS 1120	PHYS 1120	PHYS 1120	PHYS 1120
Microbiology Core Course Requirements							
LIFE/MICR/MOLB 2021 - General Microbiology (4cr) **OR** MICR/MOLB 2240 - Medical Microbiology (4cr)	MOLB 2210 OR MOLB 2240	MOLB 2210	MOLB 2210 OR MOLB 2240	MICR 2240	MOLB 2210 OR MOLB 2240	MOLB 2210	MOLB 2210
PATB/MICR 2220 - Pathogenic Microbiology (4cr)	MOLB 2220						

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BLOCK 3: Upper Division Requirements	
UW Course Title	
Microbiology Core Course Requirements	
LIFE 3050 - Genetics (4cr)	
MOLB 3000 - Introduction to Molecular Biology (3cr)	
MOLB 3610 - Principles of Biochemistry (4cr)	
MOLB/PATB 4400 - Immunology (4cr)	
MOLB 4440 - Microbial Genetics (3cr)	
MOLB/MICR 4460 - Microbial Physiology and Metabolism (3cr)	
PATB/MICR 4710 - Medical Virology (3cr)	
MICR 4321 - Microbiology Capstone (4cr) (C3) **OR** MOLB 4053 - Communications in Molecular Biology (3cr)	
PATB 4150 - Seminar (1cr) **OR** MOLB 4050 - Student Seminar: Topics in ___ (1cr) **OR** MOLB 4051 - Departmental Seminar (1cr) **OR** MOLB 4052 - Summer Seminar (1cr)	*Take 2 credits total of any combination of the following 1-credit seminar courses*
Microbiology Electives	
In addition to completing the required microbiology courses listed above, students must complete 6 hours of microbiology electives from one of the following lists.	
Medical Microbiology	
PATB 3400 - Host Defenses Against Infect. (3cr)	
PATB/MICR 4001 - Epidemiology (Diseases in Population) (3cr)	
PATB 4110 - Diseases of Food Animals (3cr)	
PATB/MICR 4130 - Mammalian Pathobiology (3cr) (C3)	
PATB 4170 - Diseases of Wildlife (3cr)	
MICR/PATB 4200 - Diagnostic Bacteriology (1cr)	
PATB/MICR 4220 - Molecular Mechanisms of Bacterial Pathogenesis (3cr)	
PATB/ENR 4240 - Disease Ecology (3cr)	
MICR 4360 - Medical Entomology and Parasitology (4cr)	
PATB 4500 - Veterinary Parasitology (4cr)	
Molecular and Cell Biology	
MOLB 3320- Molecular Biological Methods (4cr)	
MOLB 4260- Quantitative Microscopy (1cr)	
MOLB 4600- Advanced Biochemistry (3cr)	
MOLB 4680- Signaling in Host-microbe Interaction (3cr)	
Environmental and Applied Microbiology	
MICR/PATB 3021 - Eukaryotic Microbes (3cr	
MICR/MOLB/SOIL 4540 - Microbial Diversity and Ecology (4cr)	
MICR/SOIL 4140 - Soil Microbiology (4cr)	
BOT 4200 - Plant-Microbe Interactions (3cr)	
PLNT 3220 - Plant Pathology (3cr)	
PLNT 4000 - Plant Disease Control (3cr)	
FDSC/MICR 4090 - Food Microbiology (3cr)	
FDSC/MICR 4100 - Laboratory Techniques in Food Microbiology (1cr)	

COURSE SUBSTITUTIONS: Block articulations are intended to reflect direct published equivalencies between institutions. 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 2025-2026 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.5