

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

Physiology, 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 with a major in Physiology 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)	Must be completed at UW
Q	Quantitative Reasoning (3cr)	MATH 1400
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

Physiology, B.S.

Physiology is the science of how the body functions in health and disease. A degree in physiology provides excellent preparation for careers or graduate study in the health professions and biomedical research or related disciplines.

BLOCK 2: Department of Zoology and Physiology Requirements - Global Awareness and Diversity

D	<u>Diversity</u> (3cr) This BS in Physiology requires the <u>A&S College Core</u>
G	<u>Global</u> (3cr) This BS in Physiology requires the <u>A&S College Core</u>

BLOCK 3: 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
Foundation Courses							
MATH 1400 – College Algebra (3cr) (Q)	MATH 1400	MATH 1400	MATH 1400	MATH 1400	MATH 1400	MATH 1400	MATH 1400
MATH 1405 - Trigonometry (3cr) (Q)	MATH 1405	MATH 1405	MATH 1405	MATH 1405	MATH 1405	MATH 1405	MATH 1405
MATH 2200 - Calculus I (4cr) (Q)	MATH 2200	MATH 2200	MATH 2200	MATH 2200	MATH 2200	MATH 2200	MATH 2200
STAT 2050 – Fundamentals of Statistics (4cr) (Q) OR STAT/SOC 2070 – Introductory Statistics for the Social Sciences (4cr) (Q)	STAT 2050 OR STAT 2070	STAT 2050 OR STAT 2070	STAT 2050 OR STAT 2070	STAT 2050	STAT 2050 OR STAT 2070	STAT 2050 OR STAT 2070	STAT 2050 OR STAT 2070
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
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
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 MICR/MOLB 2021 - General Microbiology (4cr)	BIOL 2022 OR MOLB 2210	BIOL 2022 OR MOLB 2210	MOLB 2210	BIOL 2022	BIOL 2022 OR MOLB 2210	MOLB 2210	BIOL 2022 OR MOLB 2210

BLOCK 4: Two Additional CHEM Courses

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
CHEM 2230 - Quantitative Analysis (5cr)	CHEM 2230	CHEM 2230				CHEM 2230	CHEM 2230
CHEM 2300 - Introductory Organic Chemistry (4cr)	CHEM 2300	CHEM 2300	CHEM 2300		CHEM 2300	CHEM 2300	CHEM 2300
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
CHEM 3020 - Environmental Chemistry (3cr)							
CHEM 3550 - Physical Chemistry for the Life Sciences (3cr)							

BLOCK 4: Two Additional CHEM Courses continued

CHEM/ERS 4050 - Solar Energy Conversion (3cr)	
CHEM 4230 - Instrumental Methods of Chemical Analysis (5cr)	
CHEM 4400 - Biological Chemistry (3cr)	
MOLB 3610 - Principles of Biochemistry (4cr)	

BLOCK 5: Upper Division Requirements**Foundation Courses**

LIFE 3050 - Genetics (4cr)	
----------------------------	--

Physiology Core Required Courses

ZOO 3115 - Human Systems Physiology (4cr)	
ZOO 4125 - Integrative Physiology (5cr)	
ZOO 4100 - Scientific Communication (2cr) (C3) AND ZOO 4101 - Scientific Communication Lab (1cr) (C3) OR ZOO 4200 - Applied Principles of Science Communication (3cr) (C3)	<i>or approved C3 substitute</i>

Physiology Core Electives - Choose a Total of 18 Credits From below

ANSC 4120 - Principles of Mammalian Reproduction (4cr)	
ANSC 4260 - Mammalian Endocrinology (3cr)	
ANTH 4210 - Human Osteology (3cr)	
ANTH/CRMJ 4230 - Forensic Anthropology (3cr)	
CHEM 3550 - Physical Chemistry for the Life Sciences (3cr)**	
FCSC 4145 - Advanced Nutrition and Metabolism (4cr)	
FCSC 4147 - Nutrition and Weight Control (3cr)	
KIN 3021 - Physiology of Exercise (3cr)	
KIN 3038 - Exercise Psychology (3cr)	
KIN 3042 - Biomechanics of Human Movement (3cr)	
KIN 4042 - Advanced Biomechanics (3cr)	
LIFE 3600 - Cell Biology (4cr)	
MICR/PATB 4001 - Epidemiology (Diseases in Population) (3cr)	
MOLB 3610 - Principles of Biochemistry (4cr)**	
MOLB 4670 - Advanced Molecular Cell Biology (3cr)	

BLOCK 5: Upper Division Requirements continued***Physiology Core Electives - Choose a Total of 18 Credits From below continued****Choose a Total of 18 Credits From:*

PATB 4140 - Principles of Toxicology (3cr)	
PATB/MICR 4710 - Medical Virology (3cr)	
PHCY 3450 - Foundational Pathophysiology (4cr)	
MOLB 4100 - Clinical Biochemistry (4cr)4	
MOLB/PATB 4400 - Immunology (4cr)	
NEUR/ZOO 4295/ NEUR 5295 - Neurodevelopment (3cr)	
NEUR/ZOO 5100 - Structure and Function of the Nervous System (4cr)	
NEUR/ZOO 5685 - Neurophysiology (3cr)	
NEUR 5887 - Molecular Neuropharmacology (3cr)	
PATB 3400 - Host Defenses Against Infect. (3cr)	
PATB/MICR 4130 - Mammalian Pathobiology (3cr) (C3)	
PSYC 3250 - Health Psychology (3cr)	
PSYC 4040 - Cognitive Neuroscience (4cr)	
PSYC 4250 - Psychological Aspects of Chronic Illness (3cr)	
SOC 3550 - Medical Sociology (3cr)	
SOC 4160 - Sociology of Aging (3cr)	
SPPA 3265 - Anatomy and Physiology of Speech, Swallowing and Hearing (4cr)	
ZOO 3010 - Vertebrate Anatomy, Embryology, and Histology (4cr)	
ZOO 4110 - HIV/AIDS: The Disease and the Dilemma (3cr)	
ZOO 4195 _ Comparative Environmental Physiology Lab	
ZOO 4280 - Introduction to Neuroscience (3cr)	
ZOO 4340 - Developmental Biology and Embryology (1-4cr)	
ZOO 4735 - Advanced Topics in Physiology (1-4cr)	
ZOO 4736 - Mechanisms of Hormone Action (max3cr)	
ZOO 4737 - Mammalian Genomics (max3cr)	

*A minimum of 10 of the 18 Physiology Core Elective credits must be exclusive to the PHSO major.
**cannot count towards PHSO electives if used as a CHEM requirement in the Foundational Courses*

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.