

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

Secondary Science - Physics Education with Concurrent Major in Physics (PHSE), B.A.

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 Secondary Science - Physics Education with Concurrent Major in Physics (PHSE) 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 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) Requirement

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)	EDST 3100
Q	Quantitative Reasoning (3cr)	MATH 2200 <i>Offered at all WyoCC's</i>
PN	Physical and Natural World (1) (3cr)	LIFE 1010 <i>Offered at all WyoCC's</i>
PN	Physical and Natural World (2) (3cr)	CHEM 1020 <i>Offered at all WyoCC's</i>
H	Human Culture (1) (3cr)	EDST 2450 <i>Offered at all WyoCC's</i>
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 Secondary Science - Physics Education with Concurrent Major in Physics (PHSE), B.A.

This degree program leads to initial teaching licensure (leading to teaching certification).

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.

Professional Education Requirements

- All major courses must be passed with a grade of C or better.
- A minimum UW cumulative GPA of 2.75 is required for most junior and senior level professional education courses, including EDSE 4500 Residency in Teaching.
- A minimum GPA of 2.50 in major content courses is required.
- An initial background check must be completed prior to starting any field or practicum experience. Student fees cover the cost of this initial background check so work with your College of Education advisor for details.
- All Professional Education requirements must be completed with a grade of C or higher

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
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Professional Education Requirements

Foundations

EDST 2450 Foundations of Development and Learning (3cr) (H)	EDFD 2100 + PSYC 2300	EDFD 2100 + EDFD 2450	EDFD 2100 + EDFD 2450	EDST 2450	EDFD 2100 + PSYC 2300	EDST 2450	EDFD 2100
ITEC 2360 - Teaching with Technology (3cr)	ITEC 2360	ITEC 2360	ITEC 2360	ITEC 2360	ITEC 2360	ITEC 2360	ITEC 2360

Completion of EDST 2450 with a minimum grade of C or better is a prerequisite for the following course:

EDEX 2484 - Introduction to Special Education (3cr)	EDEX 2484						
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Practicum

EDST 1200 - Practicum I (1cr)	EDUC 2100						
EDST 2200 - Practicum 2 (1cr)							

Assessment

EDST 2250 - Educational Assessment (3cr)	EDST 2250	EDST 2250		EDST 2250			EDST 2250
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Major Content

Physics Core

Introductory Courses

PHYS 1210 - Engineering Physics I (4cr) (PN) OR PHYS 1310 - College Physics I (4cr) (PN)	PHYS 1310						
PHYS 1220 - Engineering Physics II (4cr) (PN) OR PHYS 1320 - College Physics II (4cr) (PN)	PHYS 1320						

BLOCK 2: Lower Division Requirements Continued

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
Required Additional Science Courses							
LIFE 1010 – General Biology (4cr) (PN)	BIOL 1010	BIOL 1010	BIOL 1010	BIOL 1010	BIOL 1010	BIOL 1010	BIOL 1010
CHEM 1020 - General Chemistry I (4cr) (PN)	CHEM 1020	CHEM 1020	CHEM 1020	CHEM 1020	CHEM 1020	CHEM 1020	CHEM 1020
ASTR 1050 - Survey of Astronomy (4cr) (PN) (may be substituted for similar type of course)	ASTR 1050	ASTR 1050			ASTR 1050	ASTR 1050	
COSC 1010 – Computational Thinking and Programming (3cr)	COSC 1010	COSC 1010	COSC 1010	COSC 1010	COSC 1010	COSC 1010	COSC 1010
OR COSC 1030 - Computer Science I (4cr)	COSC 1030	COSC 1030	COSC 1030	COSC 1030	COSC 1030	COSC 1030	COSC 1030
OR PHYS 3000 – Methods of Physics (4cr)							

Required Additional Mathematics Courses

MATH 2200 - Calculus I (4cr) (Q)	MATH 2200						
MATH 2205 - Calculus II (4cr) (Q)	MATH 2205						
MATH 2210 - Calculus III (4cr)	MATH 2210						
MATH 2310 - Applied Differential Equations I (3cr)	MATH 2310	MATH 2310		MATH 2310	MATH 2310	MATH 2310	MATH 2310

BLOCK 3: Upper Division Requirements

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
Professional Education Requirements Foundations							
EDST 3100 - Teacher as Practitioner (3cr) (C2)							
<ul style="list-style-type: none"> A minimum 2.75 UW cumulative GPA is required for registration in EDST 3100 and EDST 3101. A copy of your valid Wyoming Substitute Teaching Permit must be on file with the College of Education Student Success Center no later than the first day of class. 							
EDST 3480 - Diversity & the Politics of Schooling (3cr) (H)							
Practicum							
EDST 3101 - Practicum 3 (2cr) (C2)							

BLOCK 3: Upper Division Requirements Continued

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
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Methods

EDSE 3275 - Subject Matter Specific Methods I: Secondary Science Education (3-6cr) (3cr required)							
EDSE 4275 - Subject Matter Specific Methods II: Secondary Science Education (3-6cr) (4cr required) (C3)							

Residency

Prerequisite: 2.750 cumulative GPA, 2.500 GPA in major content courses, completion of all content

EDSE 4500 - Residency in Teaching (1-16cr) (12cr Required)							
EDSE 4550 - Residency Applications and Synthesis (3cr)							

EDSE 4550 Prerequisite: Requires an active Student Teaching placement and a grade of "C" or better in EDSE 42XX (secondary content-appropriate methods course) Corequisite: EDSE 4500

Introductory Courses

Choose 1 Course:

ASTR 2310 - General Astronomy I (4cr) (PN)							
OR ASTR 2320 - General Astronomy II (4cr) (PN)							
OR PHYS 2310 - Physics III: Waves and Optics (4cr)	PHYS 2310						
OR PHYS 3640 - Modern Electronics and Experimental Techniques (4cr)							

Courses above will meet course requirement but only PHYS 3640 will meet the upper division requirement

Choose 1 Option

Option A PHYS 2320 - Physics IV: Modern Physics (3cr)	PHYS 2320					PHYS 2320	
Option B ASTR 1050 - Survey of Astronomy (4cr) (PN)	ASTR 1050	ASTR 1050			ASTR 1050	ASTR 1050	
AND ASTR 2320 - General Astronomy II (4cr) (PN)							
Option C ASTR 1000 - Descriptive Astronomy (3cr) (PN)	ASTR 1000						ASTR 1000
AND ASTR 2310 - General Astronomy I (4cr) (PN)							

Courses above will meet course requirement but will not meet the upper division requirement

BLOCK 3: Upper Division Requirements Continued

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
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4000 Level Courses

PHYS 4210 - Classical Mechanics I (3cr)							
PHYS 4310 - Quantum Mechanics (3cr) OR ASTR 4610 - Introduction to Astrophysics (3cr)							
PHYS 4410 - Electricity and Magnetism I (3cr)							
PHYS 4510 - Thermodynamics and Statistical Mechanics (3cr)							

Elective Courses

PHYS Elective, 2000-level or higher, Minimum 2 Credits

PHYS Elective, 3000-level or higher, Minimum 3 Credits

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.