

2023-2024 Block Transfer Map: Qualifying Transfer Associate Degree from a Wyoming Community College to the University of Wyoming

[Secondary Mathematics Education with Concurrent Major in Mathematics, 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 Mathematics Education with Concurrent Major in Mathematics, B.A 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.

Create a [WyoTransfer](#) account now to see how all of your completed coursework fulfills your 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 course 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) | ESDT 4271 Required for Degree |
| Q | Quantitative Reasoning (3cr) | MATH 2200 or 2205 Required for Degree |
| PN | Physical and Natural World (1) (3cr) | Satisfied upon completion of qualifying associate degree |
| PN | Physical and Natural World (2) (3cr) | Satisfied upon completion of qualifying associate degree |
| H | Human Culture (1) (3cr) | EDST 2450 Required for 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 |

Secondary Mathematics Education with Concurrent Major in Mathematics, B.A

This degree program leads to initial teaching licensure (leading to teaching certification). Graduates of this program earn a Bachelor’s Degree in Mathematics Education and a concurrent major in Mathematics. It prepares students to teach Mathematics in grades 6-12.

BLOCK 2: Lower Division Professional Education 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.
- Students may not take a course for S/U credit to satisfy any requirement unless the course is offered for S/U credit only. (UW S/U grade policy statement for Spring 2020: [covid19-transfer-policy-statement.pdf \(uwyo.edu\)](#))
- 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 |
|--|-----------------------|-------------------------|-------------------------|----------------------------------|---|---------------------------|-----------------------------------|
| EDST 2450 Foundations of Development and Learning (3cr) (H) | PSYC 2300 + EDFD 2100 | Pending CWC Approval | Pending EWC Approval | Pending LCCC Approval | PSYC 2300 + EDFD 2100 | Pending NCW Approval | EDFD 2100 |
| ITEC 2360 - Teaching with Technology (3cr) | ITEC 2360 | | | | ITEC 2360 | | ITEC 2360 |
| <i>Completion of EDST 2450 with a minimum grade of C or better is a prerequisite for the following course:</i> | | | | | | | |
| EDEX2484 - Introduction to Special Education (3cr) | EDEX 2484 | | | | EDEX 2484 | | EDEX 2484 |
| Assessment | | | | | | | |
| EDST 2550 - Educational Assessment (3cr) | EDST 2550 | | | | | | EDST 2550 |

Block 2: Upper Division Professional Education Requirements

UW Course Title

| <i>Completion of EDST 2450 with a minimum grade of C or better is a prerequisite for the following course:</i> | | | | | | | |
|--|---|--|--|--|--|--|-----------|
| EDST 3480 - Diversity & the Politics of Schooling (3cr) (H) | | | | | | | EDEX 3340 |
| EDST 3100 – Teacher as a 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 3101 - Practicum 3 (2cr) (C2) | <p>Prerequisite: Declared education major, concurrent enrollment or successful completion of EDST 3100 with a C or better, successful completion of COM1 with a C or better, 2.75 cumulative GPA, successful completion of EDST 2450, ITEC 2360, EDEX 2484, and EDST 2550 with a C or better, junior standing, and current State of Wyoming Substitute Teacher Permit.</p> | | | | | | |

Methods: (Offered Fall Only)

| UW Course Title | |
|---|--|
| EDSE 3271 - Subject Matter Specific Methods I: Secondary Mathematics Education (3-6cr) (3cr required) | |
| EDSE 4271 - Subject Matter Specific Methods II: Secondary Mathematics Education (3-6cr) (4cr required) (C3) | |
| Residency: (Offered Spring Only) | |
| EDSE 4500 - Residency in Teaching (1-16cr) (12cr Required) | |
| EDSE 4550 - Residency Applications and Synthesis (3cr) | |

Block 3: Major Content

- It is necessary to complete a minimum of 50 hours in math coursework.
- Work must include 27 credit hours of upper-division mathematics.
- The grade in each course of this 50-hour requirement must be C or better.
- A minimum of GPA of 2.5 in major content courses is required.

| 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 |
|---|----------------|-------------------------|-------------------------|----------------------------------|---|---------------------------|-----------------------------------|
| MATH 2200 - Calculus I (4cr) (Q) | MATH 2200 | | | | MATH 2200 | | MATH 2200 |
| MATH 2205 - Calculus II (4cr) (Q) | MATH 2205 | | | | MATH 2205 | | MATH 2205 |
| MATH 2210 - Calculus III (4cr) | MATH 2210 | | | | MATH 2210 | | MATH 2210 |
| MATH 2250- Elementary Linear Algebra (3cr) | MATH 2250 | | | | MATH 2250 | | MATH 2250 |
| MATH 2310 - Applied Differential Equations I (3cr) | MATH 2310 | | | | MATH 2310 | | MATH 2310 |
| MATH 2800 - Mathematics Major Seminar (2cr) | | | | | MATH 2800 | | |
| MATH 3500 - Algebra I: Introduction to Rings and Proofs (3cr) | | | | | | | |
| MATH 3340 - Introduction to Scientific Computing (3cr) | | | | | | | |
| MATH 3205 - Analysis I: Elementary Real Analysis (3cr) | | | | | | | |
| MATH 4000 - History of Mathematics (3cr) | | | | | | | |
| MATH 4600 - Foundations of Geometry (3cr) | | | | | | | |

| 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 |
|--|----------------|-------------------------|-------------------------|----------------------------------|---|---------------------------|-----------------------------------|
| Major Related Statistics Courses (3-4cr) | | | | | | | |
| Take ONE of the Following (STAT 2050 and STAT 2070 are recommended): | | | | | | | |
| STAT 2000 - Statistics and the World (3cr) | STAT 2000 | | | | | | |
| STAT 2050 - Fundamentals of Statistics (4cr) (Q) | STAT 2050 | | | | STAT 2050 | | STAT 2050 |
| STAT 2070 - Introductory Statistics for the Social Sciences (4cr) (Q) | STAT 2070 | | | | STAT 2070 | | STAT 2070 |
| STAT 3050 - Statistical Methods (3cr) | | | | | | | |
| Depth & Sequence Courses (6cr) | | | | | | | |
| Take ONE of the Following Selected Pairs | | | | | | | |
| Pair 1 MATH 4200 - Analysis 2: Advanced Analysis (3cr) AND MATH 4205 - Analysis 3: Undergraduate Topics in Analysis (3cr) | | | | | | | |
| Pair 2 MATH 4340 - Numerical Methods for Ordinary and Partial Differential Equations (3cr) AND MATH 4440 - Introduction to Partial Differential Equations I (3cr) | | | | | | | |
| Pair 3 MATH 4510 - Algebra II: Introduction to Group Theory (3cr) AND MATH 4520 - Algebra III: Topics in Abstract Algebra (3cr) | | | | | | | |
| Breadth Electives (6cr) | | | | | | | |
| Take TWO of the following Courses | | | | | | | |
| MATH 3310 – Appl Diff Equations II (3cr) | | | | | | | |
| MATH 3700 – Combinatorics (3cr) | | | | | | | |
| MATH 4150 – Secondary School on Campus (1-4cr) | | | | | | | |
| MATH 4230 – Introduction to Complex Analysis (3cr) | | | | | | | |
| MATH 4255 – Mathematical Theory of Probability (3cr) | | | | | | | |
| MATH 4265 – Introduction to the Theory of Statistics (3cr) | | | | | | | |
| MATH 4300 – Introduction to Mathematical Modeling (3cr) | | | | | | | |
| MATH 4440 – Introduction to Partial Differential Equations I (3cr) | | | | | | | |

UW Course Title

| | |
|--|--|
| MATH 4500 – Matrix Theory (3cr) | |
| OR Any 3000 or 4000 mathematics or statistics course allowed as an elective in the mathematics course allowed | |

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 2023-2024 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.