

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

Computer Science, 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 Computer Science 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 taken at UW
Q	Quantitative Reasoning (3cr)	MATH 2200
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)	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

Computer Science, B.S.

A state-of-the-art curriculum that provides a solid foundation in programming, algorithm design and analysis, cybersecurity, databases, and computer systems. Elective topics include: AI, ML, AR/VR, and Mobile apps.

BLOCK 2: Lower Division Requirements

University of Wyoming Requirements:

- The degree requires 120 credits, 42 of which must be upper-division. (including transfer credit).
- 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.
- 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.

Computer Science Requirements:

- All courses in Computer Science, Mathematics, and Statistics must be completed with a grade of C or better.
- Note that some of the courses required for the Computer Science core or the concentrations will meet some of the USP requirements. Students do not have to take additional courses to meet those requirements.

Accreditation:

- The Computer Science Program is accredited by the Computing Accreditation Commission of ABET, <https://www.abet.org>, under the General Criteria and the Computer Science and Similarly Named Program Criteria.

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
Mathematics and Science Courses							
MATH 2200 - Calculus I (4cr) (Q)	MATH 2200	MATH 2200	MATH 2200	MATH 2200	MATH 2200	MATH 2200	MATH 2200
MATH 2205 - Calculus II (4cr) (Q)	MATH 2205	MATH 2205	MATH 2205	MATH 2205	MATH 2205	MATH 2205	MATH 2205
MATH 2250 - Elementary Linear Algebra (3cr)	MATH 2250	MATH 2250	MATH 2250	MATH 2250	MATH 2250	MATH 2250	MATH 2250
STAT 2050 - Fundamentals of Statistics (4cr) (Q)	STAT 2050	STAT 2050	STAT 2050	STAT 2050	STAT 2050	STAT 2050	STAT 2050
COSC/MATH 2300 - Discrete Structures (3cr)	COSC 2300 OR MATH 2300	COSC 2300 OR MATH 2300		COSC 2300 OR MATH 2300	MATH 2300	MATH 2300	COSC 2300 OR MATH 2300

BLOCK 3: Computer Science Courses: Introductory Programming Course 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
<i>Choose one of:</i>							
COSC 1010 – Computational Thinking and Programming (3cr)	COSC 1010	COSC 1010	COSC 1010	COSC 1010	COSC 1010	COSC 1010	COSC 1010
COSC 1030 - Computer Science I (4cr)	COSC 1030	COSC 1030	COSC 1030	COSC 1030	COSC 1030	COSC 1030	COSC 1030
COSC 2030 – Data Structures (4cr)	COSC 2030	COSC 2030		COSC 2030	COSC 2030	COSC 2030	COSC 2030
COSC/EE 2150 - Computer Organization (3cr)	COSC 2150					COSC 2150	
COSC 3011 - Introduction to Software Design (3cr)							
COSC 3015 – Functional Programming (3cr)							
COSC 3020 - Algorithm Design and Analysis (4cr)							
COSC 3050 - Ethics for the Computer Professional (1cr)							
COSC 3765 - Computer Security (3cr)							

BLOCK 4: Upper Division Requirements	
UW Course Title	
Computer Science	
COSC 4950 - Senior Design I (1cr)	
COSC 4955 - Senior Design II (2cr)	
Theory Course	
<i>Choose one of:</i>	
COSC 4100 - Foundations of Computing (3cr)	
COSC 4200 - Computability and Complexity (3cr)	
Operating Systems Course	
<i>Choose one of:</i>	
COSC 4740 - Operating Systems Design (4cr)	
COSC 3750 - Linux Programming for System Applications (3cr)	
Programming Language Course	
<i>Choose one of:</i>	
COSC 4780 - Principles of Programming Languages (3cr)	
COSC 4785 - Compiler Construction (3cr)	
Systems Course	
<i>Choose one of:</i>	
COSC 4760 - Computer Networks (3cr)	
COSC 4820 - Database Systems (3cr)	
Electives	
	ABET requires a minimum of 30 Math/Science credit hours.
Approved Science course (4cr)	Courses meeting the Science requirement must have a lab component and be for science or engineering majors
Approved Science course (4cr)	Courses meeting the Science requirement must have a lab component and be for science or engineering majors.
Approved Math/Science Elective (4cr)	Math elective means any MATH course above Calculus II or STAT courses 3000 and up. Exceptions: cannot count MATH 2350, MATH 2355, MATH 4000, STAT 4220 [Inactive] or any variable credit courses toward this requirement.
COSC Electives (3000-level or above, not used to complete any other requirement) (9cr)	A total of 3 credits of COSC 3970 can be used. Approved EE courses may also be taken as COSC electives. See Department web pages for a current list of approved 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.