UNIVERSITY OF WYOMING | Office of Transfer Relations

Catalog 2026-2027 University of 'Wyoming Catalog
Program Applied Computing (concurrent major)

Wyoming Transfer Alignment Guide (WyoTAG)

Applied Computing (concurrent major)

This concurrent major equips students with practical computing skills and domain expertise so that they can analyze real-world problems, design and implement computer-based solutions and collaborate and communicate with diverse groups. Graduates will be able to solve problems in a wide range of settings using applied computing.

General Requirements

- Total credits (college requirement): 120
- 3000-level or above credits (university requirement): 42
- Fulfillment of University Studies Program (consult advisor)
- Fulfillment of major requirements, track requirements, contemporary society, and career electives

University Studies Program

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.

Course Name	Credits	UW Course in Major	AA/AS/AB/ADN satisfies this USP
C 1-Communication 1 (COM1)	3		X
C 2-Communication 2 (COM2)	3		X
C 3-Communication 3 (COM3)	3	(Must be completed at UW)	
Q-Quantitative Reasoning (Q)	3		X
PN-Physical and Natural World (1) (PN)	3		X
PN-Physical and Natural World (2) (PN)	3		X
H-Human Culture (1) (H)	3		X
H-Human Culture (2) (H)	3		X
V-US & WY Constitution (V)	3		X
FYS or USP Elective-Any 3-credit hour of FYS or 3-credit hours of USP electives	3		X

Note: FYS courses have been paused. 3 hours from any additional USP designated courses is still required.

Applied Computing Concurrent Major Core (19 credits)

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
COMP 2000 - Computing and Society	3			X				
COMP 2400 - Foundations of Programming	3			X				

Course Name	Credits	
COMP 3000 - Basic Computing	3	Must be completed at UW
COMP 3250 - Storytelling with Data	3	Must be completed at UW
COMP 3300 - Math Essentials for Applied Computing	3	Must be completed at UW
COMP 3400 Probability and Practice	3	Must be completed at UW
COMP 4051 - Computing Seminar	1	Must be completed at UW

Applied Computing Concurrent Major Electives (15 credits)

Students may select electives from any degree program, provided the courses include significant applied computing content. Examples include courses that focus on data science, cybersecurity, software development, geospatial technologies, or data visualization and storytelling, data analysis and modeling, software applications, tools and methods; digital automation and efficiency; digital communication and collaboration and domain-specific computing applications.

Some elective courses may have prerequisites or be restricted to students in specific majors. Some elective courses may also fulfill requirements in a student's primary degree program.

Students are strongly encouraged to consult both the Applied Computing academic advisor and their primary program academic advisor to ensure appropriate course selection and degree progress.

Experiential Learning Requirement (3 credits)

Course Name	Credits	
COMP 4051 - Computing Seminar Credits: 1 OR COMP 4950 - Undergraduate Research Credits: 1-6 OR COMP 4975 - Independent Study Credits: 1	3	Must be completed at UW

An Approved Major in Any Discipline

The Applied Computing concurrent major is earned alongside another degree. All undergraduate students enrolled in the Applied Computing concurrent major must complete an approved baccalaureate degree in any other discipline. Students should consult both their primary and Applied Computing academic advisors to identify courses that may fulfill requirements for both degrees and determine prerequisites and course sequencing. For example, a required computing application course in the student's primary program may count as an applied computing elective. This collaboration helps ensure timely degree progress and minimizes the accumulation of unnecessary credits.

Notes

COURSE SUBSTITUTIONS: WyoTAGs reflect published equivalencies. 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 2026-2027 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.