UNIVERSITY OF WYOMING | Office of Transfer Relations

Catalog: 2026-2027 University of Wyoming Catalog
Program: Applied Software Development, B. S.

Wyoming Transfer Alignment Guide (WyoTAG)

Applied Software Development, B. S.

Combines practical experience and knowledge of modern programming languages, tools, and processes used in the rapidly evolving field of Software Development. This degree is online and is completed in collaboration with partnering community colleges.

Degree Requirements

This degree requires [125] credits, [42] of which are upper-division credits.

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

Wyoming Community College Courses:

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
COSC 1010 - Intro to Computer Science - Fall Year 1	3	X	X	X	X	X	X	X
INET 1650 - Web Programming I - Fall Year 1	3	X	X			X	X	
SDEV 1000 - Software Development Skills 1 - Fall Year 1	3		X			X	X	X
MATH 1400 - College Algebra or higher for USP Q - Fall Year 1	3	X	X	X	X	X	X	X
ENGL 1010 - College Composition and Rhetoric or higher for COM1 - Fall Year 1	3	X	X	X	X	X	X	X
SDEV 1200 - Programming Python - Spring Year 1	3		X			X	X	X
COSC 2050 - Intro to SQL - Spring Year 1	3		X			X	X	X
SDEV 1100 - Software Development Skills II - Spring Year 1	3		X			X	X	X
INET 2010 - Data Driven Web Sites - Fall Year 2	3		X			X	X	X
SDEV - 2100 Mobile Development or SDEV 2250 Web App Client Frameworks for elective - Fall Year 2	3		Note 1			Note 1	Note 1	Note 1
SDEV 2150 - Agile Project Management - Fall Year 2	3		X			X	X	X
SDEV 2395 - Software Development Capstone - Spring Year 2	3		X			X	X	X
SDEV 2200 - Secure Software - Spring Year 2	3		X			X	X	X
SDEV 2300 - DevOps - Spring Year 2	3		X			X	X	X
STAT 2050 Fundamentals of Statistics - Spring Year 2	4	X	X	X	X	X	X	X

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
COSC 1030 - Computer Programming	4	X	X	X	X	X	X	X
COMP 2000 - Computing and Society	3			X				

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Course Name	Credits	
SDEV 3000 - Introduction to Software Design	3	Must be completed at UW
Elective - Choose one course from (COMP, COSC, GIST, or SDEV) - Fall Year 3	3	Must be completed at UW
SDEV 2030 - Data Structures	1-4	Must be completed at UW
ENGL 4010 - Technical Writing in the Professions	3	Must be completed at UW
SDEV 3011 - Foundations of Software Systems	3	Must be completed at UW
SDEV 3100 - User Design Experience	3	Must be completed at UW
Elective - Choose 1 from (COMP, COSC, GIST, or SDEV) Spring Year 3 - Credits: 3	3	Must be completed at UW
SDEV 3765 - Computer Security	3	Must be completed at UW
SDEV 3020 - Applied Algorithms	3	Must be completed at UW
SDEV 3500 - Performance and Testing	3	Must be completed at UW
SDEV 4730 - Mobile Application Programming	3	Must be completed at UW
Elective - Choose 1 from (COMP, COSC, GIST, or SDEV)	3	Must be completed at UW
SDEV 4000 - Advanced Programming for Developers	3	Must be completed at UW
SDEV 4840 - Software Engineering Environments	4	Must be completed at UW
Elective - Choose 1 from (COMP, COSC, GIST or SDEV)	3	Must be completed at UW
COMP 4000 - Practicum I	4	Must be completed at UW

Notes

Note 1: Both SDEV 2100 & SDEV 2250 are offered.

At least 2 elective courses need to be upper division.

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.