



Office of
Transfer Relations

Catalog: 2026-2027 University of Wyoming Catalog
Program: Statistics, B.S.

Wyoming Transfer Alignment Guide (WyoTAG)

Statistics, B.S.

Statisticians (data scientists) provide analytic solutions to scientific problems. Statistics is the process of using data to answer a research question. The B.S. in Statistics is applied with some theory.

Degree Requirements

This degree requires 120 credit hours, 42 of which are upper-division credits.

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 (U5C1) (COM1)	3		x
C 2-Communication 2 (U5C2) (COM2)	3		x
C 3-Communication 3 (U5C3) (COM3)	3	(Must be completed at UW)	
Q-Quantitative Reasoning (U5Q)	3		x
PN-Physical and Natural World (1) (U5PN)	3		x
PN-Physical and Natural World (2) (U5PN)	3		x
H-Human Culture (1) (U5H)	3		x
H-Human Culture (2) (U5H)	3		x
V-US & WY Constitution (U5V)	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.

30 Hours of Statistics - Required Courses:

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
STAT 2050 - Fundamentals of Statistics Q	4	x	x	x	x	x	x	x

Course Name	Credits	Must be taken at UW
STAT 4015 - Regression Analysis	3	x
STAT 4025 - Design and Analysis of Experiments I	3	x
STAT 4255 - Mathematical Theory of Probability	3	x
STAT 4265 - Introduction to the Theory of Statistics	3	x
STAT 4300 - Applied Multivariate Analysis	3	x
STAT 4870 - Senior Thesis	3	x

Optional from (12 Hours)

Course Name	Credits	Must be taken at UW
STAT 4005 - Data Wrangling	3	X
STAT 4045 - Categorical Data Analysis	3	X
STAT 4070 - Causal Models	3	X
STAT 4115 - Time Series Analysis and Forecasting	3	X
STAT 4155 - Fundamentals of Sampling	3	X
STAT 4270 - Applied Bayesian Statistics	3	X
STAT 4350 - Survey Construction and Analysis	3	x
STAT 4360 - Spatial Statistics	3	X
STAT 4370 - Survival Analysis	3	X
STAT 4460 - Statistical Software	1	X
STAT 4480 - Topics in Statistics	1-4	X

Mathematics (15 Hours)

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
MATH 2200 - Calculus I Q	4	x	x	x	x	x	x	x
MATH 2205 - Calculus II Q	4	x	x	x	x	x	x	x
MATH 2210 - Calculus III	4	x	x	x	x	x	x	x
MATH 2250 - Elementary Linear Algebra	3	x	x	x	x	x	x	x

Computer Science (6 Hours)

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
COSC 1010 - Computational Thinking and Programming	3	x	x	x	x	x	x	x
COSC 1030 - Computer Programming	4	x	x	x	x	x	x	x

Electives

- Chosen so that at least 42 hours are at the 3000/4000/5000 level

Total Hours: at Least 120

Only grades of C or better will be accepted for the major.

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.