

“W” Number: _____
 Student Name: _____
 Advisor Name: _____

Catalog: 2021-2022 University of Wyoming Catalog
 Program: Statistics, B.S.

Statistics, B.S.

In addition to university and college requirements, requirements for statistics majors include:

Statistics (at Least 30 Hours)

Course Name	Credits:	Term Taken	Grade	Gen Ed
• STAT 2010 OR				
STAT2050 - Fundamentals of Statistics	Credits: 4			
OR				
STAT2070 - Introductory Statistics for the Social Sciences	Credits: 4			
OR				
STAT4220 - Basic Engineering Statistics	Credits: 3			
STAT2110 - Statistical Methods for Business and Management Science	Credits: 3			
OR				
STAT3050 - Statistical Methods	Credits: 3			
OR				
STAT5050 - Statistical Methods for the Biological Science	Credits: 3			
OR				
• STAT 5060 OR				
STAT5070 - Statistical Methods for the Social Sciences	Credits: 3			
OR				
STAT5080 - Statistical Methods for the Agricultural and Natural Resource Sciences	Credits: 3			
STAT4015 - Regression Analysis	Credits: 3			
STAT4025 - Design and Analysis of Experiments I	Credits: 3			
STAT4255 - Mathematical Theory of Probability	Credits: 3			
STAT4265 - Introduction to the Theory of Statistics	Credits: 3			
STAT4870 - Senior Thesis	Credits: 3			
STAT4270 - Applied Bayesian Statistics	Credits: 3			

Optional from (9 Hours)

Course Name	Credits:	Term Taken	Grade	Gen Ed
STAT4045 - Categorical Data Analysis	Credits: 3			
STAT4070 - Causal Models	Credits: 3			
STAT4115 - Time Series Analysis and Forecasting	Credits: 3			
STAT4155 - Fundamentals of Sampling	Credits: 3			
STAT4300 - Applied Multivariate Analysis	Credits: 3			
STAT4350 - Survey Construction and Analysis	Credits: 3			
STAT4360 - Spatial Statistics	Credits: 3			
STAT4370 - Survival Analysis	Credits: 3			
STAT4460 - Statistical Software	Credits: 1			
STAT4880 - Problems in Statistics	Credits: 1-4			
• STAT 5320				

Mathematics (15 Hours)

Course Name	Credits:	Term Taken	Grade	Gen Ed
MATH2200 - Calculus I	Credits: 4			
MATH2205 - Calculus II	Credits: 4			
MATH2210 - Calculus III	Credits: 4			
MATH2250 - Elementary Linear Algebra	Credits: 3			

Computer Science (6 Hours)

Course Name	Credits:	Term Taken	Grade	Gen Ed
COSC1010 - Introduction to Computer Science I	Credits: 4			
COSC1030 - Computer Science I	Credits: 4			

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.

Typical Freshman Year for Statistics Majors

Note: For several entry level courses such as STAT 2010, STAT 2050, STAT 2070, and STAT 4220, a student cannot receive credit for more than one of these courses. The same is true for the second courses STAT 2110, STAT 3050 and STAT 5050, STAT 5060, STAT 5070, STAT 5080.

Freshman Year: Fall

Course Name	Credits:	Term Taken	Grade	Gen Ed
ECON1010 - Principles of Macroeconomics	Credits: 3			
ENGL1010 - College Composition and Rhetoric	Credits: 3			
MATH2200 - Calculus I	Credits: 4			
POLS1000 - American and Wyoming Government	Credits: 3			
<ul style="list-style-type: none"> Biological, physical or earth science Credits: 4 Physical Activity and Health requirement Credits: 1 				

Total Hrs. 18

Freshman Year: Spring

Course Name	Credits:	Term Taken	Grade	Gen Ed
ECON1020 - Principles of Microeconomics	Credits: 3			
<ul style="list-style-type: none"> University Studies Credits: 3 				
MATH2205 - Calculus II	Credits: 4			
<ul style="list-style-type: none"> STAT 2010 Credits: 3-4 OR				
STAT2050 - Fundamentals of Statistics	Credits: 4			
OR				
STAT2070 - Introductory Statistics for the Social Sciences	Credits: 4			
OR				
STAT4220 - Basic Engineering Statistics	Credits: 3			
<ul style="list-style-type: none"> Biological, physical, or earth science Credits: 4 				

Total Hrs. 17-18

Notes: