

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

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

Statistics, B.A.

Statistics (at Least 30 Hours)

Course Name	Credits:	Term Taken	Grade	Gen Ed
STAT2050 - Fundamentals of Statistics	Credits: 4			
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				
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			

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 Statics Majors

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

Total Hrs. 18

Freshman Year: Spring

Course Name	Credits:	Term Taken	Grade	Gen Ed
ECON1020 - Principles of Microeconomics	Credits: 3			
MATH2205 - Calculus II	Credits: 4			
STAT2050 - Fundamentals of Statistics	Credits: 4			
STAT2070 - Introductory Statistics for the Social Sciences	Credits: 4			
OR				
STAT4220 - Basic Engineering Statistics	Credits: 3			

Total Hrs. 17-18

Notes: