

Statistics, Minor

The Department of Mathematics is pleased to offer a minor in statistics. Statistics and data handling are present now in almost every discipline. This program will give non-statistics majors exposure to applied data analysis methods such as linear regression, logistic regression, multivariate analysis, etc., including statistical computing using R. Students will be able to complete the statistics minor without the entire calculus sequence plus linear algebra.

Matriculation Requirements

1. Completion of STAT 2040 Principles of Statistics QL or STAT 2050 Introduction to Statistical Methods (or equivalent) with an overall GPA of 2.5 or better
2. Student must meet with the math department advisor and declare an intent to minor in statistics.

Program Requirements

Code	Title	Credit Hours
Total Credit Hours		22
Discipline Core		13 Credits
STAT 2040 or STAT 2050	Principles of Statistics QL (Prerequisite MATH 1050) Introduction to Statistical Methods	4
Complete one of the following:		3
STAT 3000 MATH 2270	Applied Mathematics for Statistical Methods (3) (Recommended for non MATH majors) Linear Algebra (3)	
STAT 4000	Applied Regression and Time Series WE	3
STAT 4400	Multivariate Analysis WE	3
Electives		9 Credits
Complete 9 credits from the following:		9
STAT 4100	Design of Experiment (3)	
STAT 4200	Survey Sampling (3)	
STAT 4300	Stochastic Processes (3)	
STAT 4500	Nonparametric Statistics (3)	
STAT 4600	Statistical Process Control (3)	
STAT 4710	Mathematical Statistics-Probability and Statistics (3)	
STAT 4720	Mathematical Statistics-Statistical Inference (3)	

Graduation Requirements

2.4 GPA Required

Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in Wolverine Track (<http://www.uvu.edu/wolverinetrack/>).

First Year

Semester	Code	Title	Credit Hours
Semester 1	STAT 2040 or STAT 2050	Principles of Statistics QL or Introduction to Statistical Methods	4
	Credit Hours		4
Semester 2	Complete one of the following:		3
	STAT 3000 MATH 2270	Applied Mathematics for Statistical Methods Linear Algebra	
Credit Hours		3	

Second Year**Semester 3**

STAT 4000	Applied Regression and Time Series WE	3
STAT 4400	Multivariate Analysis WE	3
Credit Hours		6

Semester 4

Complete a 4000-level STAT course		3
Complete a 4000-level STAT course		3
Credit Hours		6

Third Year**Semester 5**

Complete a 4000-level STAT course		3
Credit Hours		3
Total Credit Hours		22

Program Learning Outcomes

1. Demonstrate depth and breadth of understanding of statistics in core and elective areas through careful analysis.
2. Apply statistical reasoning and analysis in content specific (scientific) areas.
3. Communicate results of statistical analyses to a wide audience.
4. Use modern statistical software to support statistical analyses and promote understanding.