STATISTICAL SCIENCE (M.S.)

Master of Science. Major in Statistical Science.

Students seeking admission to the MS program in Statistical Science should have completed at least two semesters in college calculus comparable to MATH 170 and MATH 175, and two classes in applied statistics including STAT 431 or a comparable course. Familiarity with programming is expected, and familiarity with numerical or statistical computing environments is desirable. Students are not required to have an undergraduate degree in statistics.

Candidates must fulfill the requirements of the College of Graduate Studies and of the Department of Mathematics and Statistical Science. See the College of Graduate Studies (https://catalog.uidaho.edu/colleges-related-units/graduate-studies/) section for the applicable general requirements for M.S. degree.

An individual graduate program is tailored for the student, but all students must complete a basic core requirement of 22 credits and either:

1. A thesis (STAT 500[1]), or
2. An internship report (STAT 598).

Code	Title	Hours
Core Requirements		
STAT 422	Survey Sampling Methods	3
STAT 451	Probability Theory	3
STAT 452	Mathematical Statistics	3
STAT 501	Seminar	1
STAT 507	Experimental Design	3
STAT 519	Multivariate Analysis	3
STAT 550	Regression	3
STAT 565	Computer Intensive Statistics	3
Total Hours		**22**

[1]

A maximum of 6 credits of STAT 500 Master's Research and Thesis may be counted toward the thesis degree option.

1. The student will be able to perform common tasks such as reading in data, performing data management, and performing routine statistical analyses using statistical software such as SAS and/or R.
2. The student can apply results from probability theory and the theory of statistical inference.
3. The student will be able to communicate statistical methods and information from analyses clearly and effectively both orally and in written form.
4. The student will be able to apply statistical knowledge to real life problems effectively and ethically, understanding the theoretical assumptions and practical limitations of the methodologies applied.