STATISTICS MINOR

Contact

Ryan Hedstrom
Assistant Academic Director, School of Mathematics and Data Science
rhedstrom@une.edu

Mission

The Minor in Statistics is to equip students with a comprehensive understanding of statistical principles and methodologies, fostering the ability to analyze and interpret data effectively across diverse disciplines.

Program Description

The Minor in Statistics will provide students with a solid foundation in statistical inference and data interpretation. The minor complements a wide range of disciplines, such as biology, health, social sciences and business, by equipping students with the tools necessary to analyze and make informed decisions based on data.

Program Goals

The minor in Statistics will:

- Train students in a range of foundational and modern statistical methods.
- Develop the ability to critically analyze data and make evidence-based decisions.
- Prepare students to use statistical software in any discipline and in a range of careers

Transfer Credit

See Undergraduate Admissions (https://catalog.une.edu/undergraduate/admissions/) for more information.

Admissions

See Undergraduate Admissions (https://catalog.une.edu/undergraduate/admissions/) for more information.

Financial Information

Tuition and fees for subsequent years may vary. Other expenses include books and housing. For more tuition and fee information, please consult this catalog's Financial Information (https://catalog.une.edu/undergraduate/financial-information-undergraduate-programs/) section.

Curricular Requirements

A student with a major in another program may minor in Statistics with the approval of the Associate Director of the School of Mathematics and Data Science. A minimum of 19 hours of approved course credit is required.

Students wishing to declare a Statistics minor should complete a course plan in consultation with a Mathematics and Data Science faculty member.

Students may earn a Minor in Statistics by completing the following:

Code	Title	Hours
Program Required Courses		
MAT 150	Statistics for Life Sciences	3
MAT 190	Calculus I	4
MAT 220	Linear Algebra	3
STS 220	Probability	3
STS 250	Statistical Methods I: Linear Models	3
Select one of the following:		3
DSC 344	Machine Learning	
DSC 360	Deep Learning	
DSC 410	Data Mining	
DSC 490	Topics in Data Science	
STS 210	Principle of Study Design	
STS 280	Statistical Computing	
STS 360	Time Series Analysis	
STS 400	Bayesian Methods	
Total Hours		**19**

Please note: While some courses can fulfill both core and program requirements, the credits earned do not count twice towards the minimum total required credits for the degree.

Learning Outcomes

- Build, deploy, and evaluate a variety of effective statistical models and inference procedures
- Effectively manage, process, and organize data and workflows
- Judge the soundness of statistical approaches and analyses
- Effectively use statistical software