Morris Campus

Statistics Minor

Division of Science & Mathematics - Adm

Division of Science and Mathematics

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2020
- Required credits in this minor: 24

Objectives--The statistics program provides an effective operational knowledge of the theory and methods of statistics and the application of statistical methods in a liberal arts environment. It seeks to enhance students' critical thinking in making judgments based on data and provides them with the basic knowledge and skills necessary to make contributions to modern society. Students learn to communicate and collaborate effectively with people in other fields and, in the process, understand the substance of these fields. The curriculum prepares students to enter graduate school or pursue careers in statistical fields at research institutions and industry.

Program Delivery

This program is available:

- via classroom (the majority of instruction is face-to-face)

Minor Requirements

Courses may not be taken S-N, unless offered S-N only. The GPA in these courses must be at least 2.00.

Minor Requirements

STAT 3601 - Data Analysis [M/SR] (4.0 cr)
STAT 1601 - Introduction to Statistics [M/SR] (4.0 cr)
or STAT 2601 - Statistical Methods [M/SR] (4.0 cr)

Minor Elective Courses

Take 16 or more credit(s) from the following:
Stat courses
Take 1 or more course(s) from the following:
- STAT 1993 - Directed Study (1.0 - 5.0 cr)
- STAT 2501 - Probability and Stochastic Processes [M/SR] (4.0 cr)
- STAT 2611 - Mathematical Statistics [M/SR] (4.0 cr)
- STAT 2701 - Introduction to Data Science [M/SR] (4.0 cr)
- STAT 2993 - Directed Study (1.0 - 5.0 cr)
- STAT 3501 - Survey Sampling [M/SR] (4.0 cr)
- STAT 3611 - Multivariate Statistical Analysis [M/SR] (4.0 cr)
- STAT 3993 - Directed Study (1.0 - 5.0 cr)
- STAT 4601 - Biostatistics (4.0 cr)
- STAT 4631 - Design and Analysis of Experiments (4.0 cr)
- STAT 4651 - Applied Nonparametric Statistics (4.0 cr)
- STAT 4671 - Statistical Computing (4.0 cr)
- STAT 4681 - Introduction to Time Series Analysis (4.0 cr)
- STAT 4993 - Directed Study (1.0 - 5.0 cr)

- Non-stat courses

Take 0 or more course(s) from the following:
- CSCI 1201 *{Inactive}*[M/SR] (4.0 cr)
- CSCI 1251 - Computational Data Management and Manipulation [M/SR] (4.0 cr)
- CSCI 1301 - Problem Solving and Algorithm Development [M/SR] (4.0 cr)
- CSCI 1302 - Foundations of Computer Science [M/SR] (4.0 cr)
- CSCI 4403 - Systems: Data Mining (4.0 cr)
- CSCI 4458 - Systems: Bioinformatic Systems (4.0 cr)
- CSCI 4555 - Theory: Neural Networks and Machine Learning (4.0 cr)
- ECON 3501 - Introduction to Econometrics [M/SR] (4.0 cr)
- GEOG 3501 - Geographic Information Systems [ENVT] (4.0 cr)
- GEOL 2161 - GIS and Remote Sensing [SCI] (4.0 cr)
- MATH 2101 - Calculus III [M/SR] (4.0 cr)
- MATH 2202 - Mathematical Perspectives [M/SR] (4.0 cr)
- MATH 3111 - Linear Algebra (4.0 cr)

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- MATH 3221 - Real Analysis I (4.0 cr)
- MATH 3401 - Operations Research (4.0 cr)
- MATH 3501 *{Inactive}*(2.0 cr)
- MATH 3502 *{Inactive}*(2.0 cr)
- POL 2001W - Political Science Research Methods [SS] (4.0 cr)
- PSY 2001 - Research Methods in Psychology [SS] (4.0 cr)
- SOC 3103 *{Inactive}*(4.0 cr)
- SOC 3131 *{Inactive}*[ENVT] (4.0 cr)

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