STATISTICS MINOR

Students pursuing this minor learn how to apply methods of statistical inference in order to analyze data and make data-driven decisions, thereby gaining valuable experience relevant to a wide variety of employment opportunities in business and industry.

Code	Title	Credits	Completed
Minor Requirements (20 credits)			_____
MATH-141	Introductory Statistics	4	_____
or PSYC-251	Psychological Statistics		_____
MATH-211	Calculus I	4	_____
MATH-341	Applied Statistics	4	_____
Select **two** of the following:		8	_____
MATH-342	Probability		_____
MATH-381	Math Modeling		_____
One course from outside the Mathematics Department incorporating substantial use of statistics. Must be approved by the Mathematics Department.			_____
An experiential or service-learning experience that has a substantial statistical component. Must be approved by the Mathematics Department.			_____
Total Credits		**20**	_____

**Please note some courses have pre-requisites.

Upon completion of the Statistics Minor, students will be able to:

- Organize and summarize data visually and numerically.
- Use measures of center, spread, and shape to describe how data are distributed.
- Use methods of statistical inference to make and defend conjectures about a population of interest.
- Use elementary calculus as a conceptual and computational tool while investigating and applying methods of statistical inference.
- Employ technology to generate statistical graphs and to automate statistical calculations.
- Apply statistical concepts and methodology to discipline-specific problem situations.