## **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 Mathematics I incorporating statistics. Must the Mathemat			
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Total Credits		20	

<sup>\*\*</sup>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.