

# INDUSTRIAL STATISTICS (GRADUATE CERTIFICATE)

<https://ceps.unh.edu/mathematics-statistics/program/certificate/industrial-statistics>

## Description

The Department of Mathematics and Statistics offers a graduate certificate in the area of industrial statistics. This program is primarily designed to help professionals in manufacturing and service industries to improve their expertise in statistical design of studies, and statistical and analytical methodology for decision making, planning, and quality improvement.

## Admissions Requirement

Individuals holding a bachelor's degree are eligible to apply for admission to a graduate certificate program.

## Applying

Please visit the [Graduate School website](#) for detailed instructions about applying to the certificate program.

## Requirements

### Certificate Requirements

A graduate certificate in industrial statistics is awarded for completion of four courses as follows:

Code	Title	Credits
<b>Required Courses</b>		
Select three of the following:		9
MATH 836	Advanced Statistical Modeling	
MATH 837	Statistical Methods for Quality Improvement and Design	
MATH 839	Applied Regression Analysis	
MATH 840	Design of Experiments I	
<b>Electives</b>		
Select one of the following:		3
MATH 841	Survival Analysis	
MATH 843	Time Series Analysis	
MATH 844	Design of Experiments II	
MATH 855	Probability with Applications	
MATH 941	Bayesian and Computational Statistics	
MATH 944	Spatial Statistics	
Any other special topics course in the area of industrial statistics. Other special topics courses are occasionally offered and may be added to the list of elective courses		
<b>Total Credits</b>		12

Note that all of these have as a prerequisite an introductory statistics course, such as MATH 835 Statistical Methods for Research.