INDUSTRIAL STATISTICS (GRADUATE CERTIFICATE)

https://ceps.unh.edu/mathematics-statistics/graduate-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. For more information please visit the mathematics and statistics website. (https://ceps.unh.edu/mathematics-statistics/graduate-programs)

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 (http://gradschool.unh.edu/apply.php) 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:

Required Courses

Select three of the following: 9

MATH 836 Advanced Statistical Methods for Research
MATH 837 Statistical Methods for Quality Improvement and Design
MATH 839 Applied Regression Analysis
MATH 840 Design of Experiments I

Electives

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

Total Credits 12

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