The Graduate Certificate in Applied Statistical Methods

Department of Mathematical Sciences

College of Science and Liberal Arts

New Jersey Institute of Technology

2015
WHY PURSUE A GRADUATE CERTIFICATE IN APPLIED STATISTICAL METHODS?
In our information-dependent society, data is a crucial commodity and the presence of noise and uncertainty is often an underlying salient feature of such data. Statisticians are experts in gathering trustworthy data by sampling, and in their modeling and analysis allowing for effects of uncertainty, with a view to drawing meaningful and practical conclusions. Accordingly, statisticians are in demand in diverse fields such as medicine and genetics, pharmacology, environmental sciences, service industries, manufacturing, insurance, financial industry, government, and market research.

WHY STUDY APPLIED STATISTICAL METHODS AT NJIT?
The Certificate in Applied Statistical Methods is a program of NJIT’s Department of Mathematical Sciences, which is nationally recognized for quality education and applied research. Active participation by more than 40 NJIT mathematical sciences faculty produces a stimulating learning environment. The department’s 20 active research projects have more than $1 million in funding from public and private sources including National Science Foundation, National Institute of Health, NASA, the US Department of Energy, the Air Force Office of Science and Research, and the Whitaker Foundation. Program faculty members have earned international reputations as a result of the breadth and depth of their accomplishments.

GAINFUL EMPLOYMENT DISCLOSURE
For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website at: http://adultlearner.njit.edu/programs/appliedstatisticalmethods-cert-ge.php

WHAT WILL I LEARN?
This certificate is designed for data analysts, production engineers, financial analysts, information specialists, and technical supervisors. The techniques learned in this certificate can be applied to quality control, production design and analysis, telecommunications, financial, and risk analysis. This certificate will help in conducting appropriate statistical analyses of data and help technical supervisors understand the results of statistical analyses conducted by others.

WHAT COURSES ARE OFFERED?
Required: Core Courses
Math 661 Applied Statistics
Math 644 Regression Analysis Methods
Select two (2) from:
Math 698 Sampling Theory
Math 699 Design and Analysis of Experiments
Math 664 Methods for Statistical Consulting
Math 646 Time Series Analysis
Complete course descriptions can be found in the NJIT Online Catalog at http://catalog.njit.edu/graduate.

*Now or shortly available online.
Courses are subject to change.
√ Take care to select courses in proper order. Check course descriptions, because they state if one course must be taken before (i.e.; is a prerequisite to) another.

WHERE ARE THE CLASSES OFFERED?
Courses are available at NJIT’s Newark campus. Customized NJIT degrees and academic certificates can be brought on-site at your company or customized and conducted at a location convenient to a consortium of companies.

WHAT IS THE TUITION FOR GRADUATE COURSES?
Use the tuition calculator to see the cost of your education quickly and easily. Visit: http://adultlearner.njit.edu/costs.

IS FINANCIAL AID AVAILABLE EVEN FOR PART-TIME STUDENTS?
Yes, sources of financial aid or tax credits are available at: http://adultlearner.njit.edu/costs.

CAN THE GRADUATE CERTIFICATE CREDITS BE APPLIED TO AN ADVANCED DEGREE?
Courses in the Graduate Certificate program in Applied Statistical Methods can be fully applied to NJIT’s MS in Applied Statistics.

HOW DOES THE GRADUATE CERTIFICATE PROGRAM WORK?
NJIT offers a new slate of Graduate Certificates, each in a specific area which is in a fast growing and employable profession. Each stand-alone credential is a milestone in its own right and can be a 12-credit springboard to a matching Masters Degree program at NJIT or elsewhere. The credential can be completed in as little as one academic year of part-time study. Many can be studied in whole or in part online. The straightforward and rapid admissions process requires possession of an undergraduate degree with a satisfactory grade point average. A GRE or GMAT score is not a prerequisite. Depending on the program, courses can be taken online, on campus, or at NJIT extension sites around New Jersey. For a complete list of available Graduate Certificates, please visit: http://www.njit.edu/gradcert.

BRINGING A GRADUATE CERTIFICATE TO YOUR COMPANY
Arrangements can be made to bring a Graduate Certificate or Master’s program on-site to your company. A customized Graduate Certificate can also be offered to match your company’s area of technological and managerial specialty. For more information about Company Collaborative Graduate Certificates or enrollment in any of our Graduate Certificates, please contact Continuing Professional Education.

FOR FURTHER INFORMATION:
Division of Continuing Professional Education
1-800-624-9850 (Toll Free)
1-973-596-3060 (New Jersey)

ON THE WEB: