Certificate in Business Analytics (12 credits)
Training Business Data Science Analysts

Responding to the rapid growth in demand (and complexity of the business world) for analytics professionals, the Certificate in Business Analytics is designed to equip business professionals with the quantitative and technical skills required for robust careers in the data-driven world of business. The Certificate offers a set of four graduate courses to strengthen data analytics knowledge and skills, including gaining a grasp on how analytics informs business decisions and data-centric tasks.

Upon completion of this certificate, graduates will be able to lead data analytics projects and studies as well as build supporting data-driven decision models. The program provides a rational balance between the quantitative and management skills business professionals will need to progress in their careers.

The Certificate in Business Analytics requires four graduate courses (a total of 12 credits), consisting of two core courses and two other courses selected from a list of six electives.

The program is recommended for part-time students who wish to earn their certificates by attending a combination of face-to-face and online courses. Students will work on assignments including class projects and case studies, as well as application programming using SQL, Python and R, working with real data under the professor's supervision.

Recommended part-time credit schedule: First semester: 6, Second semester: 6. Total: 12 credits over two semesters (incl. summer).

Core (required) courses:
MIS 645   Information Systems Principles for Managers
MIS 648   Decision Support Systems for Managers

Sample electives:
MATH 661   Applied Statistics
MGMT 630   Decision Analysis
MGMT 635   Data Mining and Analysis, or CS 635 Data Mining
FIN 616   Data Driven Financial Modeling
MGMT 660   Managing Supply and Value Chains
MRKT 641   Global Project Management, or EM 636 Project Management

Credit earned in this Certificate program can be used later towards the MBA degree.

Program Outcomes:
- Acquire skills needed for careers in areas such as: business analytics, managers of data centric firms, data analytics managers, and data analytics consultant.

Tuition + fees for ALL students (independent of residency and visa status) at 2019-20 rates, assuming two courses per consecutive semester: Fall semester: $6,366. Spring semester: $6,366. Summer semester: $5,421.

Total tuition + fees for Certificate: Fall start: $12,732. Spring start: $11,787. Summer start: $11,787.

For more information, contact Tim Hart, ph: (973) 596-2911, (862) 234-5706, hart@njit.edu, or visit jerseycity.njit.edu