Decision Analytics (BDAMS) MS Program

College of Business

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Web Site
http://www.stonybrook.edu/business

Advanced Graduate Certificates Awarded
Finance

Degrees Awarded
M.B.A., M.B.A. in Accounting, M.B.A. in Finance, M.B.A. in Marketing, M.B.A. in Health Care Management, M.S. in Accounting, M.S. in Decision Analytics, M.S. in Finance, M.S. in Technology Management (in Korea)

Application
https://graduateadmissions.stonybrook.edu/apply/

Decision Analytics MS Program Description
Unlock the Power of Analytics in Business Decision-Making

A 30-CREDIT STEM DESIGNATED DEGREE PROGRAM
The Master of Science in Decision Analytics (MSDA) is a STEM-designated full-time or part-time program that equips college graduates with the skills to solve complex problems and drive strategic decisions across all business sectors with applications in marketing, finance, human resources, and supply chain and operations.

The Ever-Growing Demand for Business Analytics Across Industries
The demand for business analytics professionals continues to grow across various industries as organizations recognize the value of data-driven decision-making and seek to gain a competitive edge. Here's an overview of the industries where business analytics is particularly in demand: finance and banking, healthcare, retail and e-commerce, marketing and advertising, supply chain and logistics, manufacturing, sports management, consulting, and government and public sector.

Skills You'll Gain

- Master statistical, optimization, and simulation models for data-driven and informed decision-making.
- Gain proficiency in machine learning and other artificial intelligence (AI) techniques for addressing business challenges across diverse sectors.
- Become an expert and a persuasive communicator, ensuring your data-driven solutions to business problems are clearly understood and showcased to stakeholders.
- Showcase your decisions in writing and captivating oral presentations.

Decision Analytics (BDAMS) MS Program Admissions

Admission Requirements for College of Business Graduate Programs

The College of Business graduate programs are designed for ambitious and analytical students who are capable of applying what they learn toward the solutions of organizational problems. New students will begin the Stony Brook M.S. in Decision Analytics in the Fall semester only. All graduate applications are submitted online through the following Website: https://graduateadmissions.stonybrook.edu/apply/.

Applicants are encouraged to submit a current resume along with their online application and personal statement. The requirements for the business graduate programs include:

3. A bachelor’s degree with a minimum grade point average of 3.0. In exceptional cases, students not meeting the GPA requirement may be considered for admission on a conditional basis. Official transcripts can be mailed directly to the Graduate School Office of Admissions and Student Services 2401 Computer Science Building Stony Brook, NY 11794 or sent electronically to gradadmissions@stonybrook.edu. We strongly encourage foreign transcripts to be evaluated by World Education Services (WES) or another NACES association member.

4. Aptitude for quantitative analysis, demonstrated through previous coursework, standardized tests, or practical experience. All applicants must have successfully completed an introductory calculus course (MAT 123 or equivalent) with a grade of C or higher.

5. The GMAT/GRE are optional and should be used to enhance your application.

6. Three letters of recommendation, one of which, if possible, should be from a professional working in a private company or public agency who is capable of evaluating the applicant’s motivation and potential. The three letters of recommendation should also include at least one from a college faculty member, counselor, or administrator. Letters of recommendation should be submitted through the application website.

7. Applicants whose first or primary language is not English, must submit one of the following:

A TOEFL internet-based score of 80 or above
An IELTS test with an overall score of 6.5 or above, with no sub-scores below 6.0F. Acceptance by both the College of Business and the Graduate School.

Application Deadlines:

MS in Decision Analytics

Fall

International Applicants, April 15th
Domestic Applicants, July 1st

Applications may be considered after these dates, as long as space is available.

For additional information, please visit www.stonybrook.edu/business or email cobgraduate@stonybrook.edu.

Office of Student Services
Harriman Hall, Room 109
College of Business
Degree Requirements for Decision Analytics (BDAMS) MS Program

Admitted students will take a prescribed 30 credits (10 classes); students may attend full-time or part-time.

Required Courses:
MBA 503: Data Analysis and Decision Making
MBA 543: Business Analytics
MBA 540: Data Mining
MBA 588: Database Management
MBA 544: Supply Chain Management and Analytics
BDA 510: Advanced Data Analysis and Decision Making
BDA 513: Risk and Uncertainty Analysis
MBA 587: Decision Support Systems

Restricted Elective Courses (select 2 from the list below)
BDA: 508 Advanced Analytics
FIN 562: Data Analysis for Finance
MBA: 574 Project Management
MKT: 569 Digital Marketing
MBA: 595 Individual Directed Research in Business
MBA: 599 Business Internship

FACULTY OF DECISION ANALYTICS MASTERS OF SCIENCE PROGRAM

Please see the College of Business Faculty Directory:
https://www.stonybrook.edu/commcms/business/about/_faculty/

NOTE: The course descriptions for this program can be found in the corresponding program PDF or at COURSE SEARCH.