

# MASTER OF SCIENCE IN THE FIELD OF BUSINESS ANALYTICS

The GW School of Business's MS in business analytics offers a rigorous curriculum that prepares students for successful careers in helping organizations make better decisions through Analytics. Students are provided a deep foundation in the various methodologies and technologies of analytics along with the necessary team and project skills to apply them in the real world.

Faculty members are committed to the program mission of advancing the scientific principles and best practices of management decision making in both the private and public sectors. Courses are offered in 12-month (accelerated), 16-month (full-time), or 24-month (part-time) program formats. Students participate in an industry related practicum during their final semester where they will work closely with faculty on real world problems and present their findings to the client firm at the end of the project.

Visit the program website (<http://business.gwu.edu/current-students-2/specialized-masters-programs/msba-degree-requirements/>) for additional information.

## ADMISSIONS

Admission deadline: Fall and Summer

Round 1 1/15

Round 2 4/1

Round 3 5/15

Standardized test scores: Either the Graduate Admissions Management Test (GMAT - institution code QK4-4F-40) or the Graduate Records Exam (GRE - institution code 5246) is required.

Recommendations required: Two (2) recommendations

Prior academic records: Transcripts are required from all colleges and universities attended, whether or not credit was earned, the program was completed, or the credit appears as transfer credit on another transcript. Unofficial transcripts from all colleges and universities attended should be uploaded to your online application. Official transcripts are required only of applicants who are offered admission.

Statement of purpose: In no more than 500 words, describe how the Master of Science in Business Analytics program fits into your professional life and career objectives.

Additional requirements: A current resumé is required.

International applicants only: Please follow this link - <https://graduate.admissions.gwu.edu/international-student-application-requirements> (https://graduate.admissions.gwu.edu/international-student-application-requirements/) - to review the International Applicant Information carefully for details on required documents, earlier deadlines for applicants requiring an I-20 or DS-2019 from GW, and English language requirements.

PLEASE NOTE that the minimum English language test scores required by this program are:

- Academic IELTS: an overall band score of 7.0 with no individual band score below 6.0; or

- TOEFL: 600 on paper-based, or 100 on Internet-based; or

- Academic PTE: 68

### Supporting documents not submitted online should be mailed to:

The GW School of Business  
Attn: Graduate Admissions  
2201 G Street, NW, Suite 550  
Washington, DC 20052

### Contact for questions:

business@gwu.edu ~ 202-994-1212 (phone)  
9:00 am - 5:00 pm, Monday through Friday

## REQUIREMENTS

The following requirements must be fulfilled: 30 credits, including 21 credits in required courses and 9 credits in elective courses.

Code	Title	Credits
<b>Required</b>		
DNSC 6301	Analytics Edge and Data Ethics	
DNSC 6302	Programming for Analytics I	
DNSC 6303	Programming for Analytics II	
DNSC 6305	Data Management for Analytics	
DNSC 6306	Decision Models	
DNSC 6307	Optimization I	
DNSC 6311	Stochastic Foundation: Probability Models	
DNSC 6312	Statistics for Analytics I	
DNSC 6313	Statistics for Analytics II	
DNSC 6314	Machine Learning I	

DNSC 6315	Machine Learning II
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DNSC 6317	Business Analytics Practicum
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### Electives

9 credits in elective courses selected from the following:

DNSC 6278	Big Data Analytics
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DNSC 6280	Supply Chain Analytics
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DNSC 6290	Special Topics
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DNSC 6308	Optimization II
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DNSC 6319	Time Series Forecasting for Analytics
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DNSC 6320	Pricing and Revenue Management
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DNSC 6321	Social Network Analytics
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DNSC 6323	Visualization for Analytics
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DNSC 6325	Business Process Simulation
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DNSC 6327	Sports Analytics
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DNSC 6330	Responsible Machine Learning
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## COMBINED PROGRAMS

- Dual Master of Business Administration and Master of Science in the field of business analytics (<http://bulletin.gwu.edu/business/dual-mba-and-business-analytics-ms/>)
- Dual Master of Business Administration (STEM) and Master of Science in the field of business analytics (<http://bulletin.gwu.edu/business/dual-mba-stem-and-business-analytics-ms/>)