

BUSINESS ANALYTICS, MS

for the Master of Science in Business Analytics

The Master of Science (MS) in Business Analytics prepares students to master and apply contemporary analytics approaches to identify and address business problems and opportunities. The course work includes foundations in managing, analyzing, and conveying patterns and implications of business data, followed by an array of analytics elective courses that enable students to deepen their skills and understanding in business application areas such as finance, accountancy, and marketing, among others. This is an intensive program for those interested in making decisions and innovating through the use of business analytics approaches.

Admission

Graduate College Admissions & Requirements (<https://grad.illinois.edu/admissions/apply/>)

Financial Aid

Most Ph.D. students receive some form of financial assistance. This assistance is likely to be in the form of a teaching or research assistantship, which includes a waiver of tuition and some fees, and/or the award of a merit-based fellowship. The M.S. in Business Administration, the M.S. in Management, the M.S. in Strategic Brand Communication, and the M.S. in Technology Management do not provide assistantships.

for the Master of Science in Business Analytics

The MS in Business Analytics requires a minimum of 36 hours. The program rests on three required courses (12 credit hours) covering foundations of business data management, analysis, and communication. Students need to take at least four analytics elective courses (at least 20 credit hours) that will enable them to deepen their understanding of analytics methods and tools as well as to specialize in existing and emerging application areas. Finally, students are able to take general elective courses (up to 4 credit hours) to provide foundations in application areas. Students with sufficient background may petition the academic director to replace core classes, with analytics electives. Additional analytics elective and general elective graduate course offerings may be approved by a program advisor.

For additional details and requirements, refer to the department's Program Curriculum and the Graduate College Handbook.

Code	Title	Hours
Core Courses:		
BADM 554	Enterprise Database Management	4
FIN 550	Big Data Analytics in Finance for Predictive and Causal Analysis	4
BDI 513	Data Storytelling	4
Analytics Electives		20-24
BADM 550	Business Practicum	
BADM 557	Business Intelligence	
BADM 562	Social Media Strategy	

BADM 571	Digital Business & IT Strategy
BADM 572	Stat for Mgt Decision Making
BADM 573	Decision Analytics
BADM 575	Supply Chain Analytics
BADM 576	Data Science and Analytics
BADM 577	Predictive Data Analytics
BADM 590	Seminar in Business Admin
FIN 537	Financial Risk Management
FIN 552	Applied Financial Econometrics
FIN 553	Machine Learning in Finance
FIN 555	Financial Innovation
FIN 580	Special Topics in Finance
ACCY 512	Data Analytics for Management Accounting
ACCY 569	Data Driven Decisions in Accounting
ACCY 570	Data Analytics Foundations for Accountancy
ACCY 571	Statistical Analyses for Accountancy
ACCY 575	Data Analytics Applications in Accountancy
ACCY 576	Data Preparation for Accounting
ACCY 577	Machine Learning for Accounting
ACCY 593	Special Research Problems

General Graduate Electives 0 to 4

Total Hours 36

Other Requirements

Requirement	Description
Other requirements may overlap	
Minimum 500-level Hours Required Overall	12
Minimum GPA:	3.0
International students with TOEFL scores below 613 (paper-based), 257 (computer-based), or 103 (internet-based), or IELTS score below 7.0, are required to take the English Placement Test (EPT) when they arrive on campus. After taking the EPT, most students are required to take a Business English course sequence. For these students, completion of the ESL course sequence is mandatory but does not count towards the 36 hour degree requirement.	

Graduate Degree Programs in Business Administration

Majors:

- Business Administration, MBA (<http://catalog.illinois.edu/graduate/bus/business-administration-online-mba/>) (online-iMBA)
- Business Analytics, MS (p. 1)
 - Information Technology & Control (<http://catalog.illinois.edu/graduate/bus/concentration/badm/information-technology-control/>)

- Supply Chain Management (<http://catalog.illinois.edu/graduate/bus/concentration/badm/supply-chain-management/>)
- Management, MS (<http://catalog.illinois.edu/graduate/bus/management-ms/>)
 - with optional concentrations:
 - Business Data Analytics (<http://catalog.illinois.edu/graduate/bus/concentration/badm/business-data-analytics/>)
 - Corporate Governance & International Business (<http://catalog.illinois.edu/graduate/bus/concentration/badm/corporate-governance-international-business/>)
 - Finance (<http://catalog.illinois.edu/graduate/bus/concentration/finance/finance/>)
 - Information Technology & Control (<http://catalog.illinois.edu/graduate/bus/concentration/badm/information-technology-control/>)
 - Supply Chain Management (<http://catalog.illinois.edu/graduate/bus/concentration/badm/supply-chain-management/>)
- Technology Management, MS (<http://catalog.illinois.edu/graduate/bus/technology-management-ms/>)
 - with optional concentrations:
 - Accountancy (<http://catalog.illinois.edu/graduate/bus/concentration/accy/accountancy/>)
 - Business Data Analytics (<http://catalog.illinois.edu/graduate/bus/concentration/badm/business-data-analytics/>)
 - Business & Public Policy (<http://catalog.illinois.edu/graduate/bus/concentration/finance/business-public-policy/>)
 - Finance (<http://catalog.illinois.edu/graduate/bus/concentration/finance/finance/>)
 - Information Technology & Control (<http://catalog.illinois.edu/graduate/bus/concentration/badm/information-technology-control/>)
 - Supply Chain Management (<http://catalog.illinois.edu/graduate/bus/concentration/badm/supply-chain-management/>)
- Business Administration, PhD (<http://catalog.illinois.edu/graduate/bus/business-administration-phd/>)

Minors:

- Information Technology & Control (<http://catalog.illinois.edu/graduate/bus/minors/badm/information-technology-control/>)
- Corporate Governance & International Business (<http://catalog.illinois.edu/graduate/bus/minors/badm/corporate-governance-international-business/>)
- Supply Chain Management (<http://catalog.illinois.edu/graduate/bus/minors/badm/supply-chain-management/>)

Concentrations:

- Business Data Analytics (<http://catalog.illinois.edu/graduate/bus/concentration/badm/business-data-analytics/>)
- Corporate Governance & International Business (<http://catalog.illinois.edu/graduate/bus/concentration/badm/corporate-governance-international-business/>)
- Information Technology & Control (<http://catalog.illinois.edu/graduate/bus/concentration/badm/information-technology-control/>)

- Supply Chain Management (<http://catalog.illinois.edu/graduate/bus/concentration/badm/supply-chain-management/>)

Certificates:

- Digital Marketing, CERT (<http://catalog.illinois.edu/graduate/bus/badm/digital-marketing-cert/>)
- Entrepreneurship & Strategic Innovation, CERT (<http://catalog.illinois.edu/graduate/bus/badm/entrepreneurship-strategic-innovation-cert/>)
- Financial Management, CERT (<http://catalog.illinois.edu/graduate/bus/badm/financial-management-cert/>)
- Global Challenges in Business, CERT (<http://catalog.illinois.edu/graduate/bus/badm/global-challenges-business-cert/>)
- Managerial Economics & Business Analysis, CERT (<http://catalog.illinois.edu/graduate/bus/badm/managerial-economics-business-analysis-cert/>)
- Strategic Leadership Management, CERT (<http://catalog.illinois.edu/graduate/bus/badm/strategic-leadership-management-cert/>)
- Value Chain Management, CERT (<http://catalog.illinois.edu/graduate/bus/badm/value-chain-management-cert/>)

Joint Degree Program:

- Accountancy, MS (iMSA) & Business Administration, MBA (iMBA) (<http://catalog.illinois.edu/graduate/bus/joint-degree/accountancy-ms-business-mba-online/>)

for the Master of Science in Business Analytics

Department of Business Administration

Head of Department: Carlos Torelli

Associate Dean: Jeff Loewenstein

Business Analytics program website (<https://giesbusiness.illinois.edu/graduate-hub/business-analytics/>)

Business Administration Department website (<https://giesbusiness.illinois.edu/business-administration/>)

Business Administration Department faculty (<https://giesbusiness.illinois.edu/faculty-research/faculty-profiles/>)

3019 Business Instructional Facility, 515 E. Gregory Dr., Champaign, IL 61820

(217)244-7602

Business Programs email (grad@business.illinois.edu)

Gies College of Business

Gies College of Business (<https://giesbusiness.illinois.edu/>) website (<https://las.illinois.edu/>)

Admissions

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Gies College Admissions & Requirements (<http://catalog.illinois.edu/schools/gies-business/academic-units/>)