

M.S. in Business Analytics

Academic Curriculum

Course Number	Core Courses				Credits
SCH-MGMT 518	Career & Professional Development Workshop (<i>should be taken in your first graduate semester</i>)				1
SCH-MGMT 601	Data Management Using Spreadsheets				3
SCH-MGMT 602	Database Management for Analytics				3
SCH-MGMT 609	Business Applications with Python (<i>must be taken before 657</i>)				3
SCH-MGMT 650	Business Statistics (<i>must be taken before 641, 655, 657</i>)				3
SCH-MGMT 655	Machine Learning for Analytics				3
SCH-MGMT 656	Project Management				3
Required Track Courses Business Foundations Track		Credits	Required Track Courses Data Analytics Track		Credits
SCH-MGMT 633	Financial & Managerial Accounting (<i>must be taken before 641</i>)	4	SCH-MGMT 657	Data Science for Business	3
SCH-MGMT 641	Fundamental Principles of Finance	3	SCH-MGMT	Analytics Elective (<i>choose from list below</i>)	3
SCH-MGMT 660 or 653 (Newton)	Marketing Strategy or Marketing Research & Analytics (Newton)	3	SCH-MGMT	Analytics Elective (<i>choose from list below</i>)	3
SCH-MGMT 680	Leadership & Organizational Behavior	3	SCH-MGMT	Analytics Elective (<i>choose from list below</i>)	3
TOTAL DEGREE CREDITS**		32*	TOTAL DEGREE CREDITS**		31*
Analytics Electives Possible Options (subject to change) <i>Review Course Descriptions and Offering Schedule on the MSBA Curriculum Page</i>					
657 Data Science for Business - <i>required for DA track</i> (3) 654 Advanced Financial Technologies (3) 623 Cybersecurity Risk Management (3) 661 Applications of Artificial Intelligence in Business (3) 653 Marketing Research & Analytics (3) 663 Supply Chain Analytics (3) 665 Data Visualization in Business (3)			662 Web Analytics in Digital Marketing (3) 658 Mastering Agile Scrum (3) 659 Project Tools, Teams & Technologies (3) 690 Sport Analytics (3) 688 Survey Development & Analysis (1) 669 Analytics in Social Media (1) 667 Salesforce for Marketing & Sales (1)		
Optional Focus in Advanced Analytics					Credits
Choose 9 credits of the above analytics electives (in addition to core requirements and required track courses)					9
TOTAL DEGREE CREDITS with Optional Focus**					41/40*
<p>* International students choosing to pursue CPT (Curricular Practical Training) will have an additional 1-credit independent study added to each semester they will be working at same tuition rate per credit.</p> <p>**An overall 3.0 GPA must be maintained and required to graduate. Review the Academic Progress Policy in the MSBA Student Handbook.</p>					