

**M.S. in Business Analytics
Academic Curriculum**

Semester	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>)	3	SCH-MGMT 657	Data Science for Business	3
	SCH-MGMT 641	Fundamental Principles of Finance	3	SCH-MGMT	Analytics Elective (<i>choose from list</i>)	3
	SCH-MGMT 660 or 653 (Newton)	Marketing Strategy or Marketing Research & Analytics (Newton)	3	SCH-MGMT	Analytics Elective (<i>choose from list</i>)	3
	SCH-MGMT 680	Leadership & Organizational Behavior	3	SCH-MGMT	Analytics Elective (<i>choose from list</i>)	3
	TOTAL DEGREE CREDITS**		31*	TOTAL DEGREE CREDITS**		31*
Analytics Electives Possible Options (subject to change)						
Review Course Descriptions and Offering Schedule on the MSBA Curriculum Page						
	657 Data Science for Business - required for DA track (3)			662 Web Analytics in Digital Marketing (3)		
	654 Advanced Financial Technologies (3)			658 Mastering Agile Scrum (3)		
	623 Cybersecurity Risk Management (3)			659 Project Tools, Teams & Technologies (3)		
	661 Applications of Artificial Intelligence in Business (3)			690 Sport Analytics (3)		
	653 Marketing Research & Analytics (3)			688 Survey Development & Analysis (1)		
	663 Supply Chain Analytics (3)			669 Analytics in Social Media (1)		
	665 Data Visualization in Business (3)			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**					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> <p>Updated May 2026</p>						