

Rutgers Business School MBA Curriculum: STEM Courses

Course titles with asterisks are STEM

Course Number **Credits**

CORE: Required Courses

22:010:577	Accounting for Managers	3
22:390:587	Financial Management*	3
22:223:581	Managerial Economic Analysis*	3
22:630:586	Marketing Management	3
22:799:580	Operations Analysis*	3
22:620:585	Organizational Behavior	3
22:373:628	Business, Ethics, and Society	1

CAPSTONE: Integrated Business Applications

22:621:543	IBA: Team Consulting	3
22:799:650	Supply Chain Management Client Project	3
22:620:672	Urban Entrepreneurship	3
22:620:685	CTEC I*	3

FOUNDATIONS

22:198:609	IT for Managers*	2
22:960:575	Data Analysis & Decision Making*	3
22:373:551	Business Communications	2
22:140:592	Business Law for Managers	2
22:553:593	International Business	2
22:620:588	Strategic Management	2

CONCENTRATION REQUIREMENTS/ELECTIVES

Analytics and Information Management

22:198:603	Business Data Management*	3
22:198:605	Intro to Software Development*	3
22:198:650	Data Mining*	3
22:198:660	Business Analytics Programming*	3
22:198:664	Machine Learning*	3
22:198:670	IT Strategy*	3
22:544:643	Information Security*	3
22:799:638	Healthcare Analytics* (MSHA program)	3
22:960:608	Business Forecasting*	3
22:960:641	Analytics for Business Intelligence*	3
22:960:646	Data Analysis & Visualization*	3
16:198:513	Design/Analysis Data Structure Algorithms*	3
16:540:580	Quality Management*	3

Also see Ph.D.-level courses listed on the concentration website

Finance

22:223:591	Aggregate Economic Analysis*	3
22:390:611	Analysis of Fixed Income*	3
22:390:609	Derivatives*	3
22:390:680	Financial Modeling: Corporate & Projects*	3
22:390:613	Financial Statement Analysis*	3
22:390:659	Healthcare Finance*	3
22:390:603	Investment Analysis & Management*	3
22:390:693	Adv Corp Financial Modeling-LBOs*	3
22:390:605	Advanced Financial Management*	3
22:390:658	Applied Portfolio Management*	3
22:390:604	Financial Institutions and Markets*	3
22:390:681	Hedge Funds*	3
22:390:690	Indexing & ETFs*	3
22:390:608	Portfolio Theory*	3
22:390:639	Blockchain: Changing the Way We Do Business*	3
<i>also courses from the Master of Science in Quantitative Finance (MQF) program, e.g.:</i>		
22:390:686	Quantitative Equity Trading*	3
22:390:694	Treasury Management	3
22:839:635	Blockchain and Cryptocurrency* (requires Python)	3

Real Estate

22:223:591	Aggregate Economic Analysis	3
22:390:695	Real Estate Finance*	3
22:851:650	Real Estate Law	3
22:851:632	Real Estate Development	3
22:390:605	Advanced Financial Management*	3
22:851:630	Market Analysis & Valuation*	3
22:851:660	Property Management	3

Supply Chain Management

22:799:607	Supply Chain Management Strategy*	3
22:799:608	Global Procurement and Supply Management	3
22:799:623	Supply Chain Digital Transformation*	3
22:799:624	Supply Chain Risk Analytics*	3
22:799:626	Commercial Management of Supply Contracts	3
22:799:627	Strategic Directions of Future Supply Chains	3
22:799:640	Supply Chain Financial Management*	3
22:799:641	Supply Chain Artificial Intelligence*	3
22:799:647	Pharma Purchasing and Supply Chain Mgmt	1
22:799:653	Product Design & Supply Chain Alignment	3
22:799:655	Contract Management	3
22:799:656	Service Logistics	3
22:799:659	Supply Chain Solutions ERP/SAP I*	3
22:799:660	Supply Chain Solutions ERP/SAP II*	3
22:799:661	Project Management	3
22:799:663	Demand Management for Value Chains*	3
22:799:664	Service Outsourcing	3

22:799:665	Managing Global Operations	3
22:799:668	Sales & Operations Planning*	3
22:799:669	Supply Chain Risk & Disruption Management	3
22:799:670	Supply Chain Business Intelligence*	3
22:799:672	Supply Chain Sustainability*	3
22:799:673	Supply Chain Pricing Strategy	1
22:799:676	Lean Six Sigma*	3
22:799:678	Supply Chain Social Compliance	3
22:799:686	Supply Chain Professional Skill Development	1
22:799:625	Service Management*	3

Marketing/Market Research Insights & Analytics

22:630:677	Advanced Marketing Analytics*	3
22:630:601	Advertising & Promotion	3
22:630:602	Product Innovation*	3
22:630:604	Marketing Research*	3
22:630:606	Business to Business Marketing	3
22:630:609	Marketing Strategy	3
22:630:610	Consumer Behavior	3
22:630:613	Brand Management	3
22:630:615	Digital Marketing*	3
22:630:632	Social Media Marketing*	3
22:630:635	Mobile Marketing & Innovation*	3
22:630:636	Search Engine Marketing*	3
22:630:637	Content Marketing	3
22:630:678	Marketing Insights*	3
22:630:679	Customer Journey Analytics*	3
22:630:685	Special Topics: Artificial Intelligence in Marketing*	2
26:799:675	Marketing Models* (PhD level)	3
16:960:576	Survey Sampling* (PhD level)	3

Pharmaceutical Management

22:373:622	US Healthcare System & Pharma Managed	3
22:373:621	Ethics in the Pharmaceutical Industry	3
22:630:617	Pharmaceutical Marketing Research*	3
22:630:618	Pharmaceutical Product Management	3
22:630:619	Managing Pharmaceutical Sales	3
22:630:684	Market Access & Reimbursements for Drugs*	3
22:223:607	Pharmaceutical Industry: Issues, Structures	3

Strategy & Leadership and Global Business

22:620:601	Management of Innovation & Technology*	3
22:620:603	Executive Leadership	3
22:620:604	Human Resource Management	3
22:620:606	Managing Strategic Transformations	3
22:620:608	Team Building & Group Processes	3
22:620:609	Management Consulting	3
22:620:617	Negotiations	3
22:620:590	Special Topics: Corporate Social Innovation	3

22:620:679	Corporate Strategy	3
22:620:680	Mergers, Acquisitions, and Alliances	3
22:620:695	Strategic Management of Digital Transformation*	1
22:620:696	Leading in the Digital World*	1
22:620:697	Ethics Challenges in the Digital Economy	1
22:553:621	Global Management Strategy	3
22:553:625	International Business in the Digital World*	1
22:553:999	Doing Business in (various destinations)	3

Technology Commercialization, Innovation, and Entrepreneurship

22:620:685	CTEC I*	3
22:620:687	CTEC II: Business Models to Launch*	3
22:620:624	Opportunity Identification & Evaluation	3
22:620:654	Managing Growing Ventures	3
22:390:674	Evaluating Business Ventures*	3
22:630:602	Product Innovation*	3

STEM Courses from other programs recently taken by MBA students

22:799:601	Supply Chain Analytics* (MSCA program)	3
22:799:586	Healthcare Operations Analysis* (MSHA program)	3
22:799:651	Healthcare Innovation and Technology Mgmt.* (MSHA program)	1
29:960:670	Multivariate Analysis*	3

Accounting (Concentration in Part-Time MBA Program only)

22:010:551	Governmental Accounting and Auditing	3
22:010:605	Corporate Income Taxation	3
22:010:609	Advanced Des and Dev of Info Systems*	3
22:010:615	Partnership Taxation	3
22:010:616	Tax Practice and Procedures	3
22:010:618	Advanced Corporate Taxation	3
22:010:619	Federal Income Taxation of Trusts and Estates	3
22:010:620	State & Local Tax	3
22:010:625	Tax-Exempt Entities	3
22:010:626	Federal Estate and Gift Taxation	3
22:010:682	Financial Analysis and Financial Risk Management*	3
22:010:641	Pension and Profit-Sharing Plans	3
22:010:629	International Tax I	3
22:010:630	Advanced Tax Research	3
22:010:631	International Tax II	3
22:010:645	Decoding of Financial Communications* (may also be listed as 648)	3
22:010:649	Taxation of Financial Instruments	3
22:010:657	Federal Tax Accounting	3
22:010:660	Accounting for the Digital Era*	3
22:010:661	Contemporary Issues in Corporate Governance	3
22:010:664	Forensic Accounting*	3
22:010:666	Litigation, Support, and Bankruptcy	3
22:010:667	Consolidated Returns	3
22:010:668	Reporting and Measuring Corp Social Performance*	3
22:010:669	Intro to Cybersecurity Assurance*	1
22:010:684	Cybersecurity Assurance*	3
22:010:685	Special Topic: Intro to AI in Accounting*	3
22:010:686	Special Topic: Blockchain in Accounting*	3
22:010:688	Audit Analytics*	3
22:010:695	Information Technology Audit*	3
22:010:697	Smart Contracts Applications in Accounting*	3
22:010:698	Virtual Currencies, Tokens, Crypto-lending, and Its Ecosystem*	3
22:010:678	Robotic Process Automation*	3
22:010:TBA	Special Topic: Continuous Auditing*	3
22:010:TBA	Special Topic: Process Mining*	3
22:835:501	Intermediate Accounting I	3
22:835:502	Intermediate Accounting II	3
22:835:603	Income Taxation	3
22:835:604	Auditing Concepts	3
22:835:625	Advanced Financial Accounting	3
22:835:626	Advanced Auditing and Accounting Information Systems*	3
22:835:627	Managerial and Cost Accounting	3
22:835:628	Advanced Accounting Research	3

New courses may use a common course number for Special Topics or not yet have a number defined.

If a course on the Schedule of Courses is not on this list, please notify your academic advisor.