MASTER OF SCIENCE WITH A MAJOR IN MANAGEMENT

The Master of Science with a Major in Management degree offers comprehensive studies in the business essentials of accounting, finance, information technology management, marketing, operations management, organizational behavior, and strategic management, with the flexibility to dive deeper into additional business and management disciplines. This master's-level curriculum satisfies the American Assembly of Collegiate Schools of Business (AACSB) common body of knowledge requirements and provides a coherent concentration of elective courses chosen in consultation with an academic advisor. The degree program is designed primarily for three populations of students: (1) students who desire an education in business fundamentals to complement their undergraduate or other graduate level coursework, (2) students earning a PhD in Management degree who wish to earn an complementary master's degree or who exit the PhD program prior to completion, and (3) students who are admitted to Georgia Tech in approved foreign education programs.

The Master of Science with a major in Management requires a total of 30 credit hours.

All courses must be completed for a letter grade.

Students are allowed to use up to six hours of 4000-level credit as approved by an academic advisor.

Program of Study for Management Track

Code	Title	Credit Hours
Core		
MGT 6501	Operations Management	1.5
MGT 6502	Leading People and Organizations	1.5
MGT 6503	Managing Information Resources	1.5
MGT 6504	Principles of Finance	1.5
MGT 6505	Marketing Management	1.5
MGT 6509	Legal and Ethical Considerations in Business	1.5
MGT 6512	Financial Accounting	1.5
MGT 6518	Strategy Fundamentals	1.5
Elective Requirements		**18**
Total Credit Hours		**30**

Program of Study for Research Track

Code	Title	Credit Hours
Core [1]		**15**
Electives [2]		**15**
Total Credit Hours		**30**

[1] Students completing the Research Track must choose from one of the seven following management disciplines and complete at least 15 credit hours from the discipline's core course list.

[2] Fifteen 6000/7000/8000-level elective credit hours will be required in addition to the Research Track core listed above. The 15 elective hours may be chosen from the Research Track elective list below, or from any Research Track discipline's core list. Other electives not listed as part of the coursework may be considered at the discretion of the Scheller Graduate Business and PhD committees.

Code	Title	Credit Hours
Research Track Core Requirements (must complete 15 hours)		
Accounting		
MGT 7601	Financial Accounting & Reporting Research Seminar	3
MGT 7602	Management Accounting Research Seminar	3
MGT 7603	PhD Seminar in Auditing Research	3
MGT 7604	Seminar in Modern Capital Markets Research	3
PSYC 7301	Introduction to Multivariate Statistics	3
Finance		
ISYE 6401	Statistical Modeling and Design of Experiments	3
ISYE 6411	Fundamentals of Statistics with Applications	3
ISYE 6402	Time Series Analysis	3
ISYE 6664	Stochastic Optimization	3
ISYE 6739	Basic Statistical Methods	3
ISYE 6761	Stochastic Processes I	3
PSYC 7301	Introduction to Multivariate Statistics	3
PSYC 7302	Structural Equation Modeling	3
MGT 6070	International Finance	3
MGT 6080	Investments	3
MGT 6081	Derivative Securities	3
MGT 6090	Management of Financial Institutions	3
Information Technology Management		
MGT 7605	Advanced Empirical Methods for Information Systems	1.5
MGT 7606	Analytical Modeling Foundations for IS	1.5
MGT 7607	Economics of Artificial Intelligence, and Machine Learning	1.5
MGT 7608	Experimental Research in Information Systems	1.5
MGT 7609	Observational Studies in IS	1.5
ISYE 6414	Statistical Modeling and Regression Analysis	3
ISYE 6501	Intro Analytics Modeling	3
PSYC 7301	Introduction to Multivariate Statistics	3
CS 7641	Machine Learning	3
Marketing		
PSYC 6011	Cognitive Psychology	3
PSYC 6012	Social Psychology	3
PSYC 6013	Biopsychology	3
PSYC 6014	Sensation and Perception	3
PSYC 7201	Industrial/Organizational Psychology	3
PSYC 8000	Seminar in Experimental Psychology	3
ISYE 6401	Statistical Modeling and Design of Experiments	3
ISYE 6404	Nonparametric Data Analysis	3
ISYE 6411	Fundamentals of Statistics with Applications	3
ISYE 6420	Introduction to Theory and Practice of Bayesian Statistics	3
ISYE 6739	Basic Statistical Methods	3

ISYE 7400	Advanced Design of Experiments	3
MGT 7064	Microeconomics Theory for Management	3
MGT 7105	Individual Behavior in Organizations	3
MGT 7107	Organizational Theory	3
MGT 7400	PhD Strategic Management Research I	3
MATH 6338	Real Analysis II	3

Operations Management

ISYE 6230	Economic Decision Analysis	3
ISYE 6404	Nonparametric Data Analysis	3
ISYE 6412	Theoretical Statistics	3
ISYE 6416	Computational Statistics	3
ISYE 6644	Simulation	3
ISYE 6656	Queuing Theory	3
ISYE 6661	Linear Optimization	3
ISYE 6662	Discrete Optimization	3
ISYE 6663	Nonlinear Optimization	3
ISYE 6761	Stochastic Processes I	3
ISYE 6762	Stochastic Processes II	3
ISYE 6831	Advanced Simulation	3
ISYE 7400	Advanced Design of Experiments	3
ISYE 6650	Probabilistic Models and Their Applications	3
ISYE 6669	Deterministic Optimization	3
ISYE 7201	Production and Service Systems Engineering	3
ISYE 7405	Multivariate Data Analysis	3
PSYC 7301	Introduction to Multivariate Statistics	3
PSYC 7302	Structural Equation Modeling	3

Organizational Behavior

MGT 7102	Organization Behavior Research Methods	3
MGT 7105	Individual Behavior in Organizations	3
MGT 7106	Group Dynamics	3
MGT 7107	Organizational Theory	3
PSYC 7301	Introduction to Multivariate Statistics	3

Strategic Management

MGT 7611	PhD Seminar in Entrepreneurship	3
MGT 7102	Organization Behavior Research Methods	3
MGT 7107	Organizational Theory	3
MGT 7400	PhD Strategic Management Research I	3
ECON 7012	Microeconomic Theory I	3
ECON 7022	Econometrics I	3

Elective Course Options

Code	Title	Credit Hours

Electives for Management Track

MGT 6010	Individual Taxation: Analysis and Planning	3
MGT 6015	Advanced Managerial Accounting	3
MGT 6020	Financial Reporting and Analysis I	3
MGT 6022	Financial Reporting and Analysis II	3
MGT 6029	Financial Statement Analysis	3
MGT 6030	International Accounting	3
MGT 6042	Auditing and Financial Control Systems	3
MGT 6043	Advanced Financial Reporting	3
MGT 6046	Applications of Data Analytics in Accounting	3

MGT 6051	Database Development and Applications	3
MGT 6056	Electronic Commerce-Conducting Business on the Internet	3
MGT 6057	Business Process Analysis and Design	3
MGT 6059	Emerging Technologies	3
MGT 6070	International Finance	3
MGT 6074	Fintech & Cryptocurrencies	3
MGT 6076	Valuing Technology Firms	3
MGT 6078	Basic Finance and Investments	3
MGT 6080	Investments	3
MGT 6086	Entrepreneurial Finance and Private Equity	3
MGT 6090	Management of Financial Institutions	3
MGT 6107	Leadership and Organizational Change	3
MGT 6110	Negotiation and Conflict Resolution	3
MGT 6113	ProBono Non-Profit Consulting Projects	3
MGT 6114	Leadership Development	3
MGT 6116	The Role of Gender, Race and Ethnicity in Organizational Behavior	3
MGT 6118	Cross-Cultural Management	3
MGT 6119	Leading Teams in Organizations	3
MGT 6164	Corporate Strategy	3
MGT 6165	Venture Creation	3
MGT 6182	Work, Equity and Wellness	3
MGT 6185	International Business Environments	3
MGT 6190	Current Thinking In Strategy	3
MGT 6197	Global Strategic Management	3
MGT 6213	Business Analytics for Managers	3
MGT 6214	Business Analytics Practicum	3
MGT 6302	Consumer Behavior	3
MGT 6308	Strategic Brand Management	3
MGT 6310	Marketing Research: Analytics	3
MGT 6311	Digital Marketing	3
MGT 6312	Marketing Research: Tools and Design	3
MGT 6314	Understanding Markets with Data Science	3
MGT 6315	Marketing Analysis	3
MGT 6325	Product Planning	3
MGT 6326	Collaborative Product Development	3
MGT 6345	Marketing Practicum	3
MGT 6352	International Practicum	3
MGT 6353	Operations Strategy	3
MGT 6357	Service Operations Management	3
MGT 6359	Business Strategies For Sustainability	3
MGT 6360	Global Operations and Supply Chain Management	3
MGT 6369	Sustainable Business Practicum	3
MGT 6400	Pricing Analytics and Revenue Management	3
MGT 6401	Supply Chain Modeling	3
MGT 6405	Lean Six Sigma	3
MGT 6450	Project Management	3
MGT 6451	Business Intelligence and Analytics	3
MGT 6452	Machine Learning for Business	3
MGT 6655	Business Data Preparation and Visualization	3
MGT 6663	Technology Strategy	3

Code	Title	Credit Hours
MGT 6664	Managing Innovation	3
MGT 6665	Strategy Execution	3
MGT 6667	Strategic Entrepreneurship	3
MGT 6668	Behavioral Economics	3
MGT 6725	Information Security Strategies and Policies	3
MGT 6726	Privacy, Technology, Policy, and Law	3
MGT 6727	Privacy for Professionals	3
MGT 6772	Managing Resources of the Technological Firm	3
MGT 6789	Technology Ventures	3
MGT 6801	TI:GER Innovation Analysis	3
MGT 6802	TI:GER Innovation and Business Model Design	3
MGT 6803	Innovation Execution	3
MGT 6821	TI:GER Innovation Research Methods 1	1.5
MGT 6822	TI:GER Innovation Research Methods 2	1.5

Code	Title	Credit Hours
Elective Course Options for Research Track		
CS 7641	Machine Learning	3
ECON 6105	Macroeconomics	3
ECON 6121	Research Methods	3
ECON 6140	Econometrics I	3
ECON 6160	Econometrics II	3
ECON 6161	Econometric Modeling and Forecasting	3
ECON 7004	Mathematics for Economists	3
ECON 7012	Microeconomic Theory I	3
ECON 7013	Microeconomic Theory II	3
ECON 7022	Econometrics I	3
ECON 7023	Econometrics II	3
ECON 7111	Industrial Organization I	3
ECON 7112	Industrial Organization II	3
ISYE 6230	Economic Decision Analysis	3
ISYE 6401	Statistical Modeling and Design of Experiments	3
ISYE 6402	Time Series Analysis	3
ISYE 6404	Nonparametric Data Analysis	3
ISYE 6411	Fundamentals of Statistics with Applications	3
ISYE 6412	Theoretical Statistics	3
ISYE 6413	Design and Analysis of Experiments	3
ISYE 6414	Statistical Modeling and Regression Analysis	3
ISYE 6416	Computational Statistics	3
ISYE 6420	Introduction to Theory and Practice of Bayesian Statistics	3
ISYE 6501	Intro Analytics Modeling	3
ISYE 6644	Simulation	3
ISYE 6650	Probabilistic Models and Their Applications	3
ISYE 6656	Queuing Theory	3
ISYE 6661	Linear Optimization	3
ISYE 6662	Discrete Optimization	3
ISYE 6663	Nonlinear Optimization	3
ISYE 6664	Stochastic Optimization	3
ISYE 6669	Deterministic Optimization	3
ISYE 6739	Basic Statistical Methods	3
ISYE 6761	Stochastic Processes I	3
ISYE 6762	Stochastic Processes II	3
ISYE 6831	Advanced Simulation	3
ISYE 7201	Production and Service Systems Engineering	3
ISYE 7400	Advanced Design of Experiments	3
ISYE 7401	Advanced Statistical Modeling	3
ISYE 7405	Multivariate Data Analysis	3
ISYE 7441	Linear Statistical Models I	3
MATH 6338	Real Analysis II	3
MGT 6066	Mergers and Acquisitions	3
MGT 6070	International Finance	3
MGT 6080	Investments	3
MGT 6081	Derivative Securities	3
MGT 6090	Management of Financial Institutions	3
MGT 7064	Microeconomics Theory for Management	3
MGT 7101	Human Resources Management	3
MGT 7102	Organization Behavior Research Methods	3
MGT 7105	Individual Behavior in Organizations	3
MGT 7106	Group Dynamics	3
MGT 7107	Organizational Theory	3
MGT 7308	Theory Construction in the Social Sciences	3
MGT 7400	PhD Strategic Management Research I	3
MGT 7601	Financial Accounting & Reporting Research Seminar	3
MGT 7602	Management Accounting Research Seminar	3
MGT 7603	PhD Seminar in Auditing Research	3
MGT 7604	Seminar in Modern Capital Markets Research	3
MGT 7605	Advanced Empirical Methods for Information Systems	1.5
MGT 7606	Analytical Modeling Foundations for IS	1.5
MGT 7607	Economics of Artificial Intelligence, and Machine Learning	1.5
MGT 7608	Experimental Research in Information Systems	1.5
MGT 7609	Observational Studies in IS	1.5
MGT 8803	Special Topics in Management (Intro to Industrial Organization)	3
PSYC 6011	Cognitive Psychology	3
PSYC 6012	Social Psychology	3
PSYC 6013	Biopsychology	3
PSYC 6014	Sensation and Perception	3
PSYC 6018	Principles of Research Design	3
PSYC 6019	Statistical Analysis of Psychological Data I	5
PSYC 6020	Statistical Analysis of Psychological Data II	5
PSYC 6021	Personality Theories	3
PSYC 6795	Introduction to Cognitive Science	3
PSYC 7201	Industrial/Organizational Psychology	3
PSYC 7203	Motivation and Job Attitudes	3
PSYC 7301	Introduction to Multivariate Statistics	3
PSYC 7302	Structural Equation Modeling	3
PSYC 7790	Cognitive Modeling	4
PSYC 8000	Seminar in Experimental Psychology	3
PSYC 8010	Seminar in Cognitive Psychology	3
PSYC 8060	Seminar in Quantitative Psychology	3

PSYC 8803	Special Topics in Applied Statistics	3
PUBP 6014	Organization Theory	3
PUBP 6116	Microeconomics for Policy Analysis	3
PUBP 8200	Advanced Research Methods I	3
PUBP 8205	Advanced Research Methods II	3

BSMS Option
Undergraduate College of Engineering and Computer Science majors and Master of Science with a major in Management

This option is open to all undergraduate College of Engineering and Computer Science students. Students must submit a BSMS application meet admissions criteria to be considered for the option.

Students may double count up to 6 credit hours of letter-grade 4000-level College of Engineering (if COE major) or Computer Science (if CS major) courses towards electives in the Master of Science with a major in Management (MS-MGT) program. Course selection for double-counted 4000-level courses must be approved by the MS-MGT program advisor. Students must still complete the 12 credit hour MS-MGT core.

Students are encouraged to reach out to the Scheller College of Business for more information.