

MASTER'S PROGRAMS

Master of Accountancy (MAcc)

The Master of Accountancy program at Weatherhead is a 30-credit-hour specialized master's degree designed to build upon the skills and knowledge acquired in an undergraduate accountancy program. Based upon a student's professional interests, they will choose between two tracks, the Professional Track or the Analytics Track, that are specifically tailored to develop their ability to prepare, interpret and communicate accounting information as required by that profession. Through a common set of courses, the program enhances a student's critical thinking and communication skills, positioning graduates for long-term success in careers that span business, government and non-profit organizations.

Upon completion of Weatherhead's MAcc program, graduates will have satisfied the accounting educational requirements to sit for the CPA examination in the state of Ohio. Depending on a student's previous studies, they may or may not satisfy the general business educational requirements. If students wish to sit for the examination in a state other than Ohio, they are encouraged to review the educational requirements before beginning their studies in order to plan accordingly.

Undergraduate Opportunities

Undergraduate students at Case Western Reserve University have the opportunity to pursue a bachelor's degree and the MAcc at the same time through the BA/BS and Master of Accountancy Integrated Study Program (<https://weatherhead.case.edu/degrees/undergraduate/academics/accounting/integrated-program/>). The Integrated program is open to students pursuing any undergraduate major, although students majoring in or with a secondary major in accounting are able to complete both degrees in the shortest amount of time, typically nine or 10 semesters. A select number of exceptionally well-qualified high school seniors who plan to study accounting are offered places in the Early Admission to the Integrated Study Program in Accountancy (<https://bulletin.case.edu/weatherheadschoolorfmanagement/undergradpgrams/#accountingtext>) (<http://bulletin.case.edu/weatherheadschoolorfmanagement/undergradpgrams/#accountingtext>) and may obtain both degrees in eight semesters.

Eligibility to Apply

Applicants to the MAcc program must have earned, or are in the process of earning, a bachelor's degree from an accredited institution. A bachelor's degree in accounting is **not** required to apply to the MAcc. Students interested in the Analytics Track must have completed two semesters of college calculus (including exposure to multivariate functions) and have a basic understanding of linear algebra (high-level knowledge of vectors and matrices plus what's involved in adding and multiplying them).

Prerequisite Courses

In addition to earning a bachelor's degree, applicants must have earned a grade of C or better in the following courses or their equivalents. Students who have not completed these courses must fulfill these requirements at CWRU or at an approved substitute institution.

ACCT 100	Foundations of Accounting I †	3
ACCT 200	Foundations of Accounting II ‡	3
ACCT 300	Corporate Reporting I	3
ACCT 301	Corporate Reporting II	3

ACCT 305	Income Tax: Concepts, Skills, Planning	3
ACCT 314	Attestation and Assurance Services	3
BLAW 331	Legal Environment of Management §	3

† This prerequisite may also be fulfilled by ACCT 101 Introduction to Financial Accounting.

‡ This prerequisite may also be fulfilled by ACCT 102 Management Accounting.

§ Students may take the graduate level U.S. Business Law course (BLAW 417 Legal Environment of Management) and double count it as an elective for the MAcc.

Curriculum

The MAcc program requires completion of 30 credit hours of graduate study, typically comprised of ten 3-credit hour courses. The program offers two tracks: (i) a Professional Track for students interested in careers in audit, tax or management accounting; and (ii) a STEM-designated Analytics Track for students interested in combining accounting with data analysis tools. Completion of either track will meet the accounting educational requirements to sit for the CPA exam in the state of Ohio.

Core Courses:

ACCT 404	Advanced Financial Reporting	3
ACCT 405	Advanced Federal Taxes	3
ACCT 444	Advanced Auditing Theory and Practice	3
ACCT 520	Advanced Accounting Theory	3
ACCT 540	Corporate Governance and Contemporary Accounting Policy	3

Total Units 15

Track Courses:

Students must complete one of the following two tracks;

1) Professional Track

ACCT 406	Advanced Accounting Information Systems	3
ACCT 407	Analytics and Control	3
ACCT 414	Corporate Reporting and Analysis	3
ACCT 431	Tax Practice: Analysis, Planning and Communications	3
Supporting Elective *		3

Total Units 15

2) Analytics Track

BTEC 420	Introduction to Programming for Business Applications	3
BUAI 433	Foundations of Probability and Statistics	3
BUAI 434	Data Mining & Visualization	3
BUAI 444	Predictive Modeling	3
Supporting Elective *		3

Total Units 15

- * All students must select a 3-credit hour graduate-level elective course that compliments an accountancy career. Students completing the Analytics Track track must choose an elective with a STEM-related focus. A list of approved graduate supporting electives will be provided each semester.

For more information about the MAcc, contact Tiffany Schwendeman (tiffany.schwendeman@case.edu), assistant dean, undergraduate and integrated study programs, at 216.368.2058; or Ashley Lu (ashley.lu@case.edu), program manager, MAcc, at 216.368.5376.

Master of Business Analytics and Intelligence

The Master of Business Analytics and Intelligence has replaced the Master of Science in Management - Business Analytics.

The Master of Business Analytics and Intelligence degree is a 16-month, 36-credit-hour, full-time program for students interested in learning advanced data analytics skills for application in general business areas, focusing specifically on both marketing and operations. The program prepares students to analyze big data for smart insights for executive decision making. The program includes three interlocking modules:

- Business core (10.5 credit hours),
- Analytics core (13.5 credit hours)
- Applied Business analytics (12 credit hours)

The **Business Core** provides students with a holistic understanding of the underlying business context necessary for succeeding in any industry. The **Analytics Core** equips students with general data handling, data presentation and analysis skills. The courses in **Applied Business Analytics** build from these general skills to improve the students' ability to make decisions in the two focus application areas: marketing and operations.

The overlapping areas emphasize our program's goals:

- Learning the language of business
- Building analytical skills
- Applying appropriate analytical tools to today's business data

The program is delivered through a range of open source and commercial statistical software (e.g., R, Python, SPSS, SAS), preparing students with the necessary user expertise to excel in analyst positions across industries.

Prerequisites

Students are required to have taken two calculus courses at the college level and one course in linear algebra. Students who do not satisfy linear algebra prerequisites will be required to take a one credit preparatory course. A course in statistics is strongly preferred.

Curriculum

First Year	Units	
	Fall	Spring
Operations Management I (BUAI 406A)	1.5	
Managerial Marketing I (BUAI 407A)	1.5	
Foundations of Probability and Statistics (BUAI 433)	3	
Data Mining & Visualization (BUAI 434)	3	
Predictive Modeling (BUAI 444)	3	

Foundations of Python Programming (BUAI 492)	1.5	
Operations Management II (BUAI 406B)		1.5
Managerial Marketing II (BUAI 407B)		1.5
Accounting and Financial Management (BUAI 410)		3
Operations Analytics: Stochastic (BUAI 432)		3
Advanced Marketing Analytics (BUAI 445)		3
Team Development (BUAI 485B)		1.5
Year Total:	13.5	13.5

Second Year	Units	
	Fall	
Operations Analytics: Deterministic (BUAI 411)		3
Marketing Models and Digital Analytics (BUAI 435)		3
Machine Learning and Artificial Intelligence in Business Analytics (BUAI 446)		3
Year Total:		9
Total Units in Sequence:		36

For more information about this program, visit the website (<https://weatherhead.case.edu/degrees/masters/ms-management/business-analytics/>) or contact Meredith Richardson (meredith.richardson@case.edu), admissions manager, at 216.368.7586.

Master of Engineering and Management (MEM)

The Master of Engineering and Management (MEM) degree is offered through an innovative collaboration between the Case School of Engineering and the Weatherhead School of Management. The one-year, 12-course program of study builds on the technical and analytical skills gained through an undergraduate engineering degree and provides a real-world framework for applying them along with master's level business management tools. Individualized coaching emphasizes self-assessment and emotional intelligence. Interdisciplinary team projects enhance the people skills needed as a business leader today. The MEM program positions students to become more productive faster and, in the process, accelerate their careers.

Additional information regarding the MEM program (<http://bulletin.case.edu/schoolofengineering/#degreeprogramstext>) is available in the Case School of Engineering section of the Bulletin.

Master of Finance

The Master of Finance has replaced the Master of Science in Management - Finance.

The Master of Finance degree is a rigorous program designed to equip students to meet the needs of financial sector companies in today's intense and competitive business climate. Upon completion of the program, students will be prepared to make immediate contributions to careers in corporate finance, investment banking, equity research, investment management, risk management and corporate consulting, or to pursue higher studies.

The program's 30 credit hours can be completed in as little as two semesters, or students can stay longer to work toward an additional nine-credit-hour departmental certification in a specialization track—corporate

financial analytics, corporate finance, risk management analytics or financial big data analytics.

Curriculum

The 30-credit-hour Master of Finance program is a two-semester, full-time curriculum.

The curriculum is comprised of the following components:

Core Courses

The core courses provide students with the tools and techniques that build a strong foundation in finance.

Before the first semester begins, all entering Master of Finance students must take FNCE 401, Financial Orientation, which is the mandatory preparatory/refresher course.

FNCE 401	Financial Orientation	1.5
FNCE 404	Financial Modeling	3
FNCE 421	Corporate Financial Analysis	3
FNCE 429	Investment Management	3
FNCE 430	Derivatives and Risk Management	3
FNCE 435	Empirical Finance	3
FNCE 436A	Individual, Team and Career Development	.75
FNCE 436B	Individual, Team and Career Development	.75
Total Units		18

Track Electives

Track elective courses develop expertise in a particular track: corporate financial analytics, corporate finance, risk management analytics or financial big data analytics. Enrollment in elective courses may be contingent upon appropriate performance in the program.

Corporate Financial Analytics Track (STEM Eligible)

FNCE 428	Financial Strategy and Value Creation	3
or FNCE 480	Global Banking & Capital Markets	
FNCE 432	Corporate Risk Management	3
FNCE 434	Financial Analytics and Banking	3
or FNCE 460	Investment Strategies	
FNCE 491	Python Programming w Appl in Finance	3
FNCE 493	Blockchains and AI: Applications in Finance and Business	3
STAT 425	Data Analysis and Linear Models	3
or STAT 426	Multivariate Analysis and Data Mining	

Corporate Finance Track

FNCE 403	Corporate Financial Technology	3
FNCE 428	Financial Strategy and Value Creation	3
FNCE 440	Financial Decisions Modeling and Analytics	3
FNCE 450	Mergers and Acquisitions	3
FNCE 480	Global Banking & Capital Markets	3
FNCE 444	Entrepreneurial Finance	3

Risk Management Analytics Track (STEM Eligible)

FNCE 403	Corporate Financial Technology	3
FNCE 431	Fixed Income Markets and Their Derivatives	3
FNCE 432	Corporate Risk Management	3
FNCE 433	Quantitative Risk Modeling	3
FNCE 434	Financial Analytics and Banking	3
FNCE 440	Financial Decisions Modeling and Analytics	3
FNCE 491	Python Programming w Appl in Finance	3

Financial Big Data Analytics Track (STEM Eligible)

FNCE 431	Fixed Income Markets and Their Derivatives	3
FNCE 433	Quantitative Risk Modeling	3
FNCE 460	Investment Strategies	3
FNCE 470	Financial Models Using Big Data	3
FNCE 471	Applications in Financial Big Data	3
FNCE 493	Blockchains and AI: Applications in Finance and Business	3
FNCE 494	Artificial Intelligence for Financial Modeling	3

Other appropriate electives as approved by the program faculty director.

Departmental certification is available upon successful completion of 39 credit hours in a specific track.

For more information visit the website (<https://weatherhead.case.edu/degrees/masters/ms-management/finance/>) or contact Marybeth Keeler (mxk761@case.edu), program manager, at 216.368.3688; or Ted Evans (txe8@case.edu), director of admissions, at 216.368.2069.

Master of Finance in China

The Weatherhead School of Management at Case Western Reserve University and the School of Economics and Management at Tongji University (SEM-Tongji) have partnered to offer the Master of Finance in China program. This is the first master's degree in finance offered by a world-class U.S. university in mainland China. This innovative program, taught in Shanghai and Cleveland, provides students with both broad general management skills and depth of knowledge in finance. Graduates come away with a global way of thinking and the latest insights on the financial markets and instruments. In 2019, MBACHina ranked this program 2nd among more than 200 finance-focused MBA programs in China.

Students enrolled in this program take 30 credit hours of Weatherhead Master of Finance courses through two semesters of part-time study on the Tongji University campus in Shanghai, plus a one-month-long residency in the U.S., which includes classes on the Case Western Reserve University campus in Cleveland, Ohio, as well as a residency in New York City to interact with financial institutions on Wall Street.

Upon graduation from the program, students will obtain the Master of Finance degree from Weatherhead.

Program Features

- Obtain the first Master of Finance degree offered from a highly ranked U.S. university in mainland China

- Gain cutting-edge knowledge and skills in global finance
- Take advantage of the opportunity to prepare for CFA, FRM and other certifications
- Specialize in corporate finance, risk management and capital markets
- Network with financial sector players in the U.S.; intern in Shanghai's Lujiazui/Pudong international finance and trade area

To learn more, please review our admissions (<https://weatherhead.case.edu/degrees/masters/m-finance/china/admission/>) information.

Master of Science in FinTech

The Master of Science in FinTech (MS-FinTech) is a 30-credit-hour, two-semester program that provides students with quantitative and analytical skills including programming and empirical capabilities that are in high demand. Graduates of the MS-FinTech program will have a solid understanding of finance as well as recent trends and products that are reshaping the finance industry, including blockchain, AI, big data analytics, and others.

Students can choose to stay an additional semester or two semesters, to earn a specialization in Analytics for FinTech by completing an additional 9 credit hours of approved courses.

The Master of Science in FinTech will begin admitting new students for fall 2022. For more information about this program, contact Meredith Richardson (mer118@case.edu), admissions manager, at 216.368.7586.

Master of Healthcare Management

The Master of Healthcare Management has replaced the Master of Science in Management - Healthcare.

The Master of Healthcare Management program provides rising healthcare professionals with the skills necessary to become effective managers and future healthcare leaders. The Master of Healthcare Management program is a part-time program designed for working professionals that provides foundational training in the essential elements of business management through coursework tailored around the issues and challenges facing modern healthcare organizations.

Outcomes

In completion of the Master of Healthcare Management program, students will:

- Gain a sophisticated understanding of the modern healthcare economy—its players, the incentives those players operate under and the role played by institutions and public policy in shaping those incentives
- Receive foundational training in essential elements of business management, including accounting, finance, strategy and operations
- Learn to speak and understand the language of business
- Gain exposure to a wide range of established healthcare professionals operating in diverse parts of the healthcare economy
- Acquire a network of regional and national contacts in the healthcare sector

Curriculum

The Master of Healthcare Management is a 30-credit-hour program that is completed in six semesters with one summer semester completely dedicated to an independent project.

First Year	Units		
	Fall	Spring	Summer
Health Economics and Strategy (HSMC 421)	3		
Accounting for Healthcare (ACCT 401H)	3		
Health Finance (HSMC 420) or Health Finance (BAFI 420)		3	
Health Decision Making & Analytics (HSMC 457)		3	
Identifying Design Opportunities (HSMC 411)			3
Year Total:	6	6	3

Second Year	Units		
	Fall	Spring	Summer
Lean Services Operations (HSMC 412)	3		
Managerial Marketing (HSMC 407)	3		
Dialogues in Health Care Management (HSMC 425)		3	
Managing People and Organizations (HSMC 404)		3	
Action Learning Project (MGMT 497)			3
Year Total:	6	6	3

Total Units in Sequence: 30

The Master of Healthcare Management program may also be completed full-time in one year.

Accelerated Curriculum Plan

Plan of Study	Units		
	Fall	Spring	Summer
Health Economics and Strategy (HSMC 421)	3		
Lean Services Operations (HSMC 412)	3		
Accounting for Healthcare (ACCT 401H)	3		
Managerial Marketing (HSMC 407)	3		
Health Finance (HSMC 420) or Health Finance (BAFI 420)		3	
Health Decision Making & Analytics (HSMC 457)		3	
Dialogues in Health Care Management (HSMC 425)		3	
Managing People and Organizations (HSMC 404)		3	
Identifying Design Opportunities (MBAP 411)			3
Action Learning Project (MGMT 497)			3
Year Total:	12	12	6

Total Units in Sequence: 30

For additional information about this program, contact Karla Schiebel (kxs527@case.edu), senior recruiter, at 216.368.3914 or

Alyssa Marynowski (axm1507@case.edu), recruitment manager, at 216.368.0894.

Master of Science in Positive Organization Development and Change (MPOD)

The Master of Science in Positive Organization Development and Change (MPOD) is the premier program created and offered by the world-renowned Organizational Behavior Department at the Weatherhead School of Management. The curriculum remains on the cutting edge of positive organization development, results-driven change management, leadership development, coaching, gender, diversity and multi-culturalism (inclusive leadership) and interpersonal and team-effectiveness.

The MPOD program emphasizes strength-based and positive approaches to managing change, designing sustainable organizations, formulating effective strategy, creating high engagement work cultures, leading through emotional intelligence and coaching for deep and lasting personal and professional development. The MPOD program is of value to organizations with aspiring managers who wish to:

- Broaden their knowledge of leading-edge theory and practice in Appreciative Inquiry, strength-based organization development and positive organizational change
- Develop emotional intelligence competencies needed to coach and foster leadership skills and personal growth for oneself and others
- Form high performance teams and flourishing enterprises that foster economic prosperity, ecological advancement and social responsibility
- Build consultative capabilities in strategic-level change interventions that create value for organizations, customers and communities
- Maximize organizational gains by managing the diversity and complexity that characterize today's organizations
- Use experiential learning to promote effective teams and decision making

The MPOD program is grounded in the basic belief that a person can be a powerful instrument for change, and that personal and professional development go hand in hand. The MPOD learning experience enables participants to become more effective leaders and coaches, and design and conduct positive organization change management interventions.

Curriculum

The MPOD program is conducted in modules spread out over four University semesters. The program design uses both onsite and online teaching to accommodate the busy schedules of leaders, managers and staff professionals, and enables students to attend school while continuing to work full time.

MPOD Course List

MPOD 413	Foundations of Positive Organization Development and Change	3
MPOD 414	Managing Organizational Change and Real-World Challenges	3
MPOD 416A	Leadership, Executive Assessment and Development	2
MPOD 416B	Leadership and Executive Assessment and Development	1

MPOD 418	Flourishing Enterprise	2
MPOD 432	Interpersonal Skills Building	3
MPOD 435	Practicum in Appreciative Inquiry and Positive OD	3
MPOD 439	Individual Field Project	3
MPOD 440A	Inclusive Leadership in a Global Context	2
MPOD 440B	Inclusive Leadership in a Global Context	1
MPOD 470A	Leading Change from a Complexity Perspective	1
MPOD 470B	Leading Change from a Complexity Perspective	2
MPOD 479	Foundations of Strategic Thinking	3
MPOD 480	Dynamics of Effective Change Management Strategies	3
MPOD 498	Global Citizenship and Multi-Cultural OD: International Study Tour	3

For more information, please visit the website (<http://weatherhead.case.edu/degrees/ms-positive-organization-development/>) or contact Patricia Petty (patricia.petty@case.edu), associate director, at 216.368.4642.

Master of Supply Chain Management

The Master of Supply Chain Management has replaced the Master of Science in Management - Operations Research and Supply Chain Management.

The Master of Supply Chain Management program is designed for individuals with quantitative training who seek to obtain a position in supply chain management or a management position in manufacturing, healthcare, service or consulting firms that are part of sophisticated national or global supply chains. The Master of Supply Chain Management curriculum provides students with the fundamentals of business as well as depth and focus in the principles and concepts of supply chain management. This unique program produces highly knowledgeable professionals who are well prepared to make organizations more efficient and competitive.

The Master of Supply Chain Management program attracts individuals with a quantitative undergraduate degree who have an interest in gaining expertise in the field of supply chain management. Typical undergraduate majors include:

- Engineering
- Statistics
- Computer science
- Economics
- Mathematics
- Business

Work experience is beneficial but not required for admission; many students pursue the Master of Supply Chain Management program immediately following the completion of their undergraduate degree.

Outcomes

Upon completion of the Master of Supply Chain Management program, students will:

- Be equipped with analytical and supply chain skills to become an agent of positive change at their organization within the first few years of work
- Speak and understand the language of business
- Have a working knowledge of all functional areas of an organization and the ability to communicate effectively with colleagues in these areas
- Have a network of regional, national and international business contacts

SCMG 432B	Spreadsheet and Business Process Simulation - II	1.5
SCMG 491	Revenue Management	3

For more information, contact Alireza Kabirian (axk821@case.edu), PhD, associate professor of operations at 216.368.2506; or Meredith Richardson (mer118@case.edu), admissions manager, at 216.368.7586.

Curriculum

The 30-credit-hour Master of Supply Chain Management program is a full-time program that starts in the fall semester each year and can be completed in two, three or four semesters. The curriculum comprises the following three components:

Analytics Core (6 credit hours)

The Analytics Core provides the mathematical, statistical and computational skills needed by supply chain analysts in research and development groups in manufacturing and services companies and consulting firms.

SCMG 411A	Optimization Analytics for Supply Chain	1.5
SCMG 432A	Spreadsheet and Business Process Simulation - I	1.5
SCMG 433	Statistical Data Analytics for Supply Chain	3
Total Units		6

Supply Chain Core (18 credit hours)

The Supply Chain Core builds upon the business and quantitative foundation to provide advanced knowledge in operations and supply chain management.

SCMG 406	Operations Management	3
SCMG 420	Experiential Learning with Six Sigma Green Belt	3
SCMG 475	Global Supply Chain Logistics	3
SCMG 477A	Business Forecasting	1.5
SCMG 477B	Enterprise Resource Planning in the Supply Chain	1.5
SCMG 476A	Strategic Sourcing in Supply Chain	1.5
SCMG 470	Supply Chain Risk Management	1.5
SCMG 460	Supply Chain Strategy	1.5
SCMG 480	Blockchain Technology in Supply Chain Management	1.5
Total Units		18

Elective Options (6 credit hours)

Students must choose six credit hours of departmentally approved elective supply chain courses based on availability, which currently include the following

SCMG 422	Lean Operations	3
SCMG 450	Project Management	3
SCMG 492	Foundations of Python Programming	1.5
SCMG 478	Operational Excellence	3