

# MASTER'S PROGRAMS

## Master of Accountancy (MAcc)

The MAcc program at Weatherhead is designed for individuals who seek to obtain an advanced degree that builds upon the skills and knowledge acquired in an undergraduate degree in accountancy. The program is fully accredited and provides professional education by very highly qualified faculty members. In an increasingly competitive business environment, the MAcc program provides students with an important foundation for long-term success and sets graduates apart from their colleagues.

## Undergraduate Opportunities

Undergraduate accounting students at Case Western Reserve have the unique opportunity to pursue both the Bachelor of Science (BS) in Accounting and the MAcc through the Integrated Study (<http://bulletin.case.edu/weatherheadschoolormanagement/undergradpgrams/#integratedstudyprogramaccountancytext>) program. The Integrated Study program allows students to complete both degrees in four or five years, most commonly, four-and-a-half years or nine academic semesters. Each year, a select number of exceptionally well-qualified high school seniors who plan to pursue careers in accountancy are offered places in the Early Admission to the Integrated Studies Program in Accountancy (<http://bulletin.case.edu/weatherheadschoolormanagement/undergradpgrams>), although students may apply to the integrated program once they have begun their studies at Case Western Reserve. Because of the necessity for proper planning of coursework and programs, undergraduate students are strongly encouraged to apply for the MAcc in their junior year. All Weatherhead students must apply for and be admitted to the MAcc program, although certain requirements are waived.

## Eligibility to Apply

To be eligible to apply for the MAcc program, applicants must have earned or are in process of earning an equivalent of a U.S. bachelor's degree from an accredited institution. Please note that a bachelor's degree in accounting is **not** required to apply for the program.

## Prerequisite Courses

Because the program builds upon skills and knowledge developed in an undergraduate accountancy program, all admitted candidates must complete certain prerequisite courses. It is **not** required that students have all the prerequisite courses completed before beginning the MAcc program, but it is recommended that students have completed financial accounting and managerial accounting (Principles I and II) before beginning the program.

- Prerequisite courses may be taken at any accredited four-year educational institution, although once students are admitted to the MAcc program department approval should be obtained in advance of enrolling in any prerequisite courses not taken at Case Western Reserve.
- Students must earn a grade of C or better in all prerequisite coursework.

ACCT 101	Introduction to Financial Accounting	3
ACCT 102	Management Accounting	3
ACCT 207	Excel Applications and Modeling <sup>1</sup>	3
ACCT 300	Corporate Reporting I	3
ACCT 301	Corporate Reporting II	3

ACCT 305	Income Tax: Concepts, Skills, Planning <sup>2</sup>	3
ACCT 306	Accounting Information Systems - Basic <sup>3</sup>	3
ACCT 314	Attestation and Assurance Services	3
BLAW 331	Legal Environment of Management <sup>4</sup>	3

- <sup>1</sup> Students may waive the Excel course by passing a proficiency examination.
- <sup>2</sup> Students who have not completed U.S. Taxation will be required to take the class at Weatherhead in an intensive summer session preceding the program.
- <sup>3</sup> Students may be required to take Accounting Information Systems at Weatherhead if their previous course is deemed insufficient preparation for ACCT 406 Auditor's Role in AIS Accounting as this is a unique course building on specialized skills learned in ACCT 306 Accounting Information Systems - Basic.
- <sup>4</sup> Students may take the graduate level U.S. Business Law course (BLAW 417 Legal Environment for Managers - M.B.A.) and double count it as an elective for the MAcc.

## Curriculum

The 30-credit-hour MAcc program offers the flexibility of beginning in the fall or spring semester. Upon completion of the program, graduates should have satisfied all accounting educational requirements for the CPA examination in the state of Ohio.

ACCT 404	Advanced Financial Reporting	3
ACCT 405	Advanced Federal Taxes	3
ACCT 406	Auditor's Role in AIS Accounting	3
ACCT 414	Corporate Reporting and Analysis	3
ACCT 431	Tax Practice: Analysis, Planning and Communications	3
ACCT 444	Advanced Auditing Theory and Practice	3
ACCT 495A	Advanced Accounting Seminar (Audit)	1
ACCT 495T	Advanced Accounting Seminar (Tax)	1
ACCT 520	Advanced Accounting Theory	3
ACCT 540	Corporate Governance and Contemporary Accounting Policy	3

## Accountancy Concentration(s)

Students must complete at least one concentration in either Financial Reporting and Attestation Services or U.S. Taxation by completing the related series of three one-credit-hour ACCT 495: Advanced Accounting Seminars. The U.S. Taxation related seminars are offered in the fall and the Financial Reporting and Attestation Services related seminars are offered in the spring.

## Supporting Elective

If students choose not to complete a second concentration, MAcc students may select one elective (three credit hours) in an area that complements a professional accountancy career. A list of approved graduate supporting electives will be provided each semester.

For more information about the MAcc, contact Tiffany Welch ([tiffany.welch@case.edu](mailto:tiffany.welch@case.edu)), assistant dean, undergraduate and integrated study programs, at 216.368.2058 or Ashley Lu ([ashley.lu@case.edu](mailto:ashley.lu@case.edu)), program manager, MAcc, at 216.368.5376.

## Master of Science in Management-Business Analytics (MSM-Business Analytics)

The Master of Science in Management-Business Analytics (MSM-Business Analytics) degree is an 11-month, 33-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 (12 credit hours),
- analytics core (9 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 the general data handling, data presentation and analysis skills, and the courses in **Applied Business Analytics** build off of these general skills to improve the students' ability to make decisions in the two focus application areas: marketing and operations.

The three overlapping areas emphasize our program's goals:

- building applied analytical skills
- for intelligent business decision making
- using a wide range of tools appropriate for 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. A course in statistics is strongly preferred.

### Curriculum

First Year	Units		
	Summer	Fall	Spring
Foundations of Probability and Statistics (MSBA 433)	3		
Managerial Marketing (MSBA 407)	3		
Operations Management (MSBA 406)		3	
Operations Analytics: Deterministic (MSBA 411)		3	
Data Mining & Visualization (MSBA 434)		3	
Marketing Models & Digital Analytics (MSBA 435)		3	
Individual Development (MSBA 485A)		1.5	
Accounting and Financial Management (MSBA 410)			3
Predictive Modeling (MSBA 444)			3
Advanced Marketing Analytics (MSBA 445)			3

Operations Analytics: Stochastic (MSBA 432)			3
Team Development (MSBA 485B)			1.5
Year Total:	6	13.5	13.5

Total Units in Sequence: 33

For more information about this program, visit the website or contact Meredith Richardson (meredith.richardson@case.edu), admissions manager, at 216.368.7586 (<http://bulletin.case.edu/weatherheadschoolormanagement/masterprograms/tel: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, 14-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 Science in Management-Finance (MSM-Finance)

The Master of Science in Management-Finance (MSM-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 finance, risk management or financial big data—by taking appropriate additional electives.

### Curriculum

The 30-credit-hour MSM-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 fall semester begins, all entering MSM-Finance students have to take MSFI 401, Financial Orientation which is the mandatory preparatory/refresher course.

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

### Electives

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

### Corporate Finance Track

MSFI 428	Financial Strategy and Value Creation	3
MSFI 440	Financial Decisions, Contracting & Value	3
MSFI 444	Entrepreneurial Finance	3
MSFI 450	Mergers and Acquisitions	3
MSFI 480	Global Banking & Capital Markets	3
MSFI 490	Projects in Corporate Finance	3

### Risk Management Track

MSFI 431	Fixed Income Markets and Their Derivatives	3
MSFI 432	Corporate Risk Management	3
MSFI 433	Quantitative Risk Modeling	3
MSFI 434	Financial Analytics and Banking	3
MSFI 491	Projects in Risk Management	3

### Financial Big Data Track

MSFI 431	Fixed Income Markets and Their Derivatives	3
MSFI 433	Quantitative Risk Modeling	3
MSFI 460	Investment Strategies	3
MSFI 470	Financial Models Using Big Data	3
MSFI 471	Applications in Financial Big Data	3
BAFI 492	Scientific Python Programming with Applications	0

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 see 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 (tx8@case.edu), director of admissions, at 216.368.2069.

## 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 Science in Management-Finance (MSM-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.

Students enrolled in this program take 30 credit hours of Weatherhead MSM-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 MSM-Finance degree from Weatherhead.

### Program Features

- Obtain the first MSM-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, contact Yuan Wu (yuan.wu@case.edu), project manager, at 216.368.2077.

## Master of Science in Management-Healthcare (MSM-Healthcare)

The Master of Science in Management-Healthcare (MSM-Healthcare) at The Global Center for Health Innovation program prepares healthcare professionals and service providers to design and manage systems that optimize behaviors and processes for positive change and sustainable value.

### Outcomes

Upon completion of the MSM-Healthcare program, students will:

- Gain an understanding of finance, accounting and business strategy
- Gain exposure to a wide range of healthcare settings including public health organizations
- Speak and understand the language of business
- Acquire a network of regional and national contacts in the healthcare sector

### Curriculum

The MSM-Healthcare 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 (MBAP 411)			3
Year Total:	6	6	3

	Units		
	Fall	Spring	Summer
Lean Services Operations (HSMC 412) <sup>Students entering fall 2015 will take MBAP 408 and can choose HSMC 412 as an elective. Students entering fall 2016 will be required to take HSMC 412.</sup>	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 MSM-Healthcare program may also be completed full-time in one year. Contact a program manager for more information about this option.

## 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 Deborah Bibb (deborah.bibb@case.edu), assistant dean of admissions, at 216.368.6702.

## Master of Science in Management in Operations Research and Supply Chain Management (MSM-ORSC)

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

The MSM-ORSC degree attracts individuals with a quantitative undergraduate degree who have an interest in gaining expertise in the field of operations research and supply chain management. Typical undergraduate majors include:

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

Students beginning this program must have a working knowledge of undergraduate calculus, including differentiation and integration, and one semester of undergraduate linear algebra. Work experience is beneficial but not required for admission; many students pursue the MSM-ORSC immediately following the completion of their undergraduate degree.

## Outcomes

Upon completion of the MSM-ORSC 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

## Curriculum

The 39-credit-hour MSM-ORSC is a three-semester, full-time program beginning in the fall semester of each year. The curriculum comprises the following three components:

### Business Core (9 credit hours)

The Business Core introduces students to business fundamentals and includes a professional development course, a unique feature of the Weatherhead MSM-ORSC not found in most competitors' programs.

MSOR 407	Managerial Marketing	3
MSOR 410	Accounting and Financial Management	3
MSOR 485A	Individual Development	1.5

MSOR 485B	Team Development	1.5
Total Units		9

### Operations Research Core (12 credit hours)

The Operations Research Core provides the mathematical, statistical and computational skills needed by analysts in research and development groups in manufacturing and service companies and consulting firms.

MSOR 402	Stochastic Models with Applications	1.5
MSOR 411	Optimization Modeling	3
MSOR 432	Computer Simulation	3
MSOR 433	Foundations of Probability and Statistics	3
MSOR 435B	Integrated Problem Solving in OR and SC	1.5
Total Units		12

### Supply Chain Courses (18 credit hours)

Supply chain courses build upon the business and quantitative foundation to provide advanced knowledge in operations and supply chain management.

#### Required:

MSOR 406	Operations Management	3
MSOR 420	Six Sigma and Quality Management	3
Total Units		6

#### Elective Options:

Students must choose four departmentally approved elective supply chain courses based on availability, which currently include the following (check with department administrator for current offerings):

MSOR 422	Lean Operations	3
MSOR 450	Project Management	3
MSOR 475	Supply Chain Logistics	3
MSOR 476	Strategic Sourcing	3
MSOR 477	Enterprise Resource Planning in the Supply Chain	3

For more information, contact Kamlesh Mathur (kamlesh.mathur@case.edu), PhD, chair and professor of operations and faculty director of the MSM-ORSC, at 216.368.3857 or Deborah Bibb (deborah.bibb@case.edu), assistant dean of admissions, at 216.368.6702.

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

The Master of Science in Positive Organization Development and Change (MPOD) is a unique program created and offered by the world-renowned Organizational Behavior Department at the Weatherhead School of Management. The curriculum attempts to remain on the cutting edge of change management, leadership development, organizational transformation, organizational behavior and societal benefit.

Toward this end, the MPOD program emphasizes strength-based and positive approaches to managing change, designing sustainable institutions, formulating effective strategy, creating high engagement work cultures, leading through emotional intelligence, coaching for high

performance, and deep personal and professional development. It will be of value to organizations with aspiring managers who wish to:

- Build new capabilities in strategic-level change interventions that create value for customers and communities
- Broaden their knowledge of leading-edge theory and practice in appreciative inquiry, strength-based human resource development and positive organizational change research
- Develop emotional intelligence competencies needed to coach and foster leadership skills and personal growth in one's self and others
- Form extraordinary teams and enterprises that enable human flourishing, are economically prosperous and ecologically advanced, and unite strengths with aspirations
- Engage in lifelong experiential learning to realize, develop and model themselves as agents for positive change

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 learning experience will enable participants to become more effective at designing and conducting positive change interventions that have much better chances of success than traditional approaches, to have experiential opportunities to become more self-aware, to practice and experiment with new skills, and to give and receive coaching that can be life changing.

### Curriculum

The MPOD program is conducted in five separate week-long residencies and an international tour spread over 18 months. This residency design makes the program flexible enough to accommodate the busy schedules of leaders, managers, and staff professionals, and enables students to attend school without leaving their employment. The intervening periods (between program residencies) will involve project and group work, self-study, assignments, reading and on-line guidance done in collaboration with the faculty at Case Western Reserve University.

### MPOD Residencies

#### Residency One

MPOD 413A	Foundations of Positive Organization Development and Change	3
MPOD 416A	Leadership, Executive Assessment and Development	1
MPOD 431	Experiential Learning for Individuals, Teams, and Organizations	3

#### Residency Two

MPOD 416B	Leadership and Executive Assessment and Development	1
MPOD 435	Practicum in Appreciative Inquiry and Positive OD	3
MPOD 479	Foundations of Strategic Thinking	3

#### Residency Three

MPOD 416C	Leadership, Executive Assessment and Development	1
MPOD 470A	Leading Change from a Complexity Perspective	1
MPOD 480	Dynamics of Effective Consulting Strategies	3

#### Residency Four

MPOD 414	Organization Design for a Knowledge World	3
MPOD 439A	Individual Field Project	2
MPOD 470B	Leading Change from a Complexity Perspective	2

#### International Study Tour

MPOD 498	Global Citizenship and Multi-Cultural OD: International Study Tour	3
<b>Residency Five</b>		
MPOD 413B	Foundations of Positive Organization Development and Change	1
MPOD 418	Flourishing Enterprise	2
MPOD 432	Interpersonal Skills Building	2
MPOD 439B	Individual Field Project	2
Total Units		36

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