Department of Construction Management
E. Scott Sumner, Chair
Annex South, Room 008B
617-989-4259

Faculty

Professors
- Mark Hasso, Ph.D., P.E.

Associate Professors
- Ilyas Bhatti, P.E.
- E. Scott Sumner, CCM
- Cristina Cosma, Ph.D., P.E.
- Thomas A. Taddeo
- Monica Snow, Ph.D., P.E.
- Payam Bakhshi, Ph.D., P.E.

Assistant Professors
- Bill Kearney, CCM
- Todd Johnson, CPC

Department Vision/Mission Statement/Goals
The Construction Management program provides students with both the education and work experience to enter the construction profession as productive team members who possess the potential to become innovative technical problem-solvers and industry leaders. The philosophy of the program is to offer a curriculum that challenges, shapes, and encourages students to think about and apply their expanding technical knowledge and organizational skills to the solution of contemporary problems. This philosophy is supported by the educational mission of the Institute that emphasizes physics and mathematics, both theoretical and applied, humanities and social sciences, communication skills, and computer science. Students are prepared through their educational experience to adapt to changes in society, technology, and the profession.

- There are several goals of the Construction Management program:
- Maintain accreditation by the American Council of Construction Education (ACCE) which promotes, supports, and accredits construction education programs.
- Successfully place students in positions appropriate for college graduates in the construction industry.
- Maintain class sizes of no more than 30 students in each lecture and no more than 20 students in each lab.
- Provide Students with the knowledge and skills to succeed in supervisory and management roles in construction related fields.

The following are the learning objectives that will be used to assess the Construction Management program.

- Create oral presentations appropriate to the Construction Discipline.
• Create written communications appropriate to the construction discipline.
• Create a construction project safety plan.
• Create construction project estimates.
• Create construction project schedules.
• Analyze professional decisions based upon ethical principles.
• Analyze construction documents for planning and management of construction processes.
• Analyze methods, materials, and equipment used on construction projects.
• Apply construction management skills as an effective member of a multi-disciplinary team.
• Apply electronic-based technology to manage the construction process.
• Apply basic surveying techniques for construction layout and control.
• Analyze different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process.
• Understand construction risk management.
• Understand construction accounting and cost control.
• Understand construction quality assurance and control.
• Understand construction project control processes.
• Understand the legal implications of contract, common, and regulatory law to manage a construction project.
• Understand the basic principles of sustainable construction.
• Understand the basic principles of structural behavior.
• Understand the basic principles of mechanical, electrical, and piping systems.

Degree Programs

Construction Management (BSCM)

Leading to the Bachelor of Science degree

The Construction Management program provides a background of technical skills to apply to a construction project from conception to completion. Students are taught the skills necessary to manage resources, time, cost, and quality with an emphasis on team building. Skills developed during the program include management, budgeting and cost control, cost estimating, scheduling, engineering fundamentals, and the development of analytical and communication skills. The Construction Management program has a cooperative education program where hands-on experience is acquired. Career opportunities for the construction manager are found throughout the industry and include positions with construction companies, government agencies, architectural and engineering firms, industrial firms, and manufacturing and materials suppliers.

Degree Details

Credits for Degree: 134

This is a four-year, American Council for Construction Education (ACCE) accredited program that begins in the fall of the student’s first year and is planned to finish in the summer semester of the student’s fourth year.

This period includes two semesters of cooperative work experience. A graduate of the program can earn a Construction Manager in Training (CMIT) certificate, the first step in gaining a Certified Construction manager (CCM) professional registration.
Students should contact their academic advisor or academic department office for information regarding the construction management elective.

Special Graduation Requirement
Students in the Bachelor of Science in Construction Management program must demonstrate completion of a U.S. Department of Labor Occupational Safety and Health Administration (OSHA) 30-hour training course in Construction Safety & Health. Submission to the Registrar of a photocopy of either the signed and dated card or verification and dating of entrance ticket or receipt indicating that the student actually attended the training will serve as adequate proof.

*Construction Management (BSCM)*

**Freshman Year, Fall Semester (total credits 19)**
- CONM1000 Introduction to CM/FM/RE 3 credits
- CONM1200 Building Construction 4 credits
- CHEM1000 Chemistry for the Built Environment 4 credits
- MATH1000 College Mathematics I 4 credits
- ENGLISH English Sequence, See ENGL/HSS note below *

**Freshman Year, Spring Semester (total credits 18)**
- CONM 1500 Construction Graphics 3 credits
- CONM 1600 Heavy Construction Equipment 3 credits
- PHYS 1000 College Physics I 4 credits
- MATH 1500 Precalculus 4 credits
- ENGLISH English Sequence, See ENGL/HSS note below *

**Sophomore Year, Fall Semester (total credits 19)**
- CONM 2000 Construction Surveying 4 credits
- CONM 2100 Statics and Strength of Materials 4 credits
- CONM 2200 Estimating 4 credits
- MGMT 2700 Financial Accounting 3 credits
- HSS ELECTIVE See ENGL/HSS note below *

**Sophomore Year, Spring Semester (total credits 15)**
- CONM 2500 Building Systems 4 credits
- CONM 2600 Wood and Steel Analysis & Design 3 credits
- MATH 1030 Statistics and Applications 4 credits
- HSS ELECTIVE See ENGL/HSS note below *

**Sophomore Year, Summer Semester**
- COOP 3000, Pre-Cooperative Work Term (Optional)

**Junior Year, Fall Semester (total credits 16)**
- CONM 3000 Materials Testing and Quality Control 4 credits
Wentworth Academic Catalog: 2017-2018

- CONM 3100 Construction Project Management 4 credits
- CONM 3201 Construction Project Scheduling 4 credits
- MGMT 3000 Managing & Leading Organizations 4 credits

**Junior Year, Spring Semester**

- COOP 3500 Co-op Work Term I

**Junior Year, Summer Semester (total credits 15)**

- CONM 3500 Advanced Estimating and Bid Analysis 4 credits
- CONM 3600 Concrete Analysis + Design 4 credits
- CONM 3800 CM Elective 3 credits
- HSS ELECTIVE, See ENGL/HSS note below *

**Senior Year, Fall Semester**

- COOP 4500 Co-op Work Term II

**Senior Year, Spring Semester (total credits 18)**

- CONM 4000 Construction Project Control 3 credits
- CONM 4100 Construction Business and Finance 4 credits
- CONM 4200 Construction Safety and Risk Management 3 credits
- MGMT 4100 Power and Leadership 4 credits
- HSS ELECTIVE, See ENGL/HSS note below *

**Senior Year, Summer Semester (total credits 14)**

- CONM 5500 BSCM Senior Project 4 credits
- CONM 4600 Construction Law and Government Regulations 3 credits
- MGMT 3600 Labor Relations 3 credits
- HSS ELECTIVE, See ENGL/HSS note below *

**ENGL/HSS Note:**

Day program students are required to complete:

- At least one course in Humanities
- At least one course in the Social Sciences
- The remaining courses from either the Humanities or Social Sciences category.

Students with a three English course sequence may use the third English course to satisfy a Humanities requirement.

Of the five humanities and social science electives, BSCM students must include the following HSS Directed Electives:

- Principles of Economics, ECON4102
- Industrial Organizational Psychology, PYSC4552
Construction Management (BSCM)

Leading to a Bachelor of Science Degree with a concentration in Facilities Management

The concentration in Facilities Management is a specialized track within the Construction Management program. It aims to develop in its students recognized management skills along with the knowledge concerning current technologies that are necessary for entry-level professional practice. Facilities Management practice can be regarded as the management of a company’s or institution’s physical assets. The management of these assets involves short-term and long-term planning for physical facilities and real properties that integrates the organization’s strategic business plan and the technical components for that plant. The quality of work life and cost effectiveness of the organization’s environment are the goals of the facilities manager.

Building on a practical core of oral and written communications, mathematics, science, and business principles, the Facilities Management concentration introduces students to a wide range of facilities and management issues including construction, energy management techniques, building management, facility assessment, and real estate principles. An integral aspect of the concentration is the experience students gain through two semesters of cooperative employment in facilities management offices.

Degree Details

Credits for Degree: 134

This is a four-year program that begins in the fall of the student’s first year and is planned to finish in the summer semester of the student’s fourth year. The Facilities Management track is accredited by IACBE (International Assembly of Collegiate Business Education). Students in this track will be accepted into the Construction Management program. Prior to their sophomore year, students can formally elect to enter the Facilities Management concentration. Upon graduating, students in the Facilities Management concentration will have the opportunity to continue in the Wentworth Master’s of Science in Facilities Management program.

Construction Management (BSCM) with concentration in Facilities Management

Freshman Year, Fall Semester (total credits 19)

- CONM1000 Introduction to CM/FM/RE 3 credits
- CONM1200 Building Construction 4 credits
- CHEM1000 Chemistry for the Built Environment 4 credits
- MATH1000 College Mathematics I 4 credits
- ENGLISH English Sequence, See ENGL/HSS note below *

Freshman Year, Spring Semester (total credits 18)

- CONM 1500 Construction Graphics 3 credits
- CMFM 2400 Property Management 3 credits
- PHYS 1000 College Physics I 4 credits
- MATH 1500 Precalculus 4 credits
- ENGLISH English Sequence, See ENGL/HSS note below *

Sophomore Year, Fall Semester (total credits 18)

- CMFM 3300 Building Operations 3 credits
• CONM 2100 Statics and Strength of Materials 4 credits
• CONM 2200 Estimating 4 credits
• MGMT 2700 Financial Accounting 3 credits
• HSS ELECTIVE See ENGL/HSS note below *

Sophomore Year, Spring Semester (total credits 16)
• CONM 2500 Building Systems 4 credits
• CMFM 3200 Project Mgmt. for Facility Mgrs. 4 credits
• MGMT1500 Decision Analysis for Business 4 credits
• HSS ELECTIVE See ENGL/HSS note below *

Sophomore Year, Summer Semester
• COOP 3000, Pre-Cooperative Work Term (Optional)

Junior Year, Fall Semester (total credits 16)
• CMFM 4100 Facility Assess. + Forecasting 4 credits
• CONM 3100 Construction Project Management 4 credits
• CONM 3201 Construction Project Scheduling 4 credits
• MGMT 3000 Managing & Leading Organizations 4 credits

Junior Year, Spring Semester
• COOP 3500 Co-op Work Term I

Senior Year, Fall Semester
• COOP 4500 Co-op Work Term II

Senior Year, Spring Semester (total credits 18)
• MGMT 4400 Business Neg. Principles 3 credits
• MGMT 3500 Financial Management 4 credits
• CONM 4200 Construction Safety and Risk Management 3 credits
• MGMT 4100 Power and Leadership 4 credits
• HSS ELECTIVE, See ENGL/HSS note below *

Senior Year, Summer Semester (total credits 15)
• CMFM 5500 Capstone FM 4 credits
• MGMT 3650 Business Law 4 credits
• MGMT 3600 Labor Relations 3 credits
• HSS ELECTIVE, See ENGL/HSS note below *

ENGL/HSS Note:
Day program students are required to complete at least:

• One course in Humanities
• One course in the Social Sciences
• The remaining courses from either Humanities or Social Sciences category.

Students with a three English course sequence may use the third English course to satisfy a Humanities requirement.

Of the five listed humanities and social science electives, BSCM students must include the following HSS Directed Electives:

• Principles of Economics, ECON 4102
• Industrial Organizational Psychology, PYSC 4552

Minor
The minor in construction management provides students with a greater knowledge of the discipline that compliments their major courses.

To earn the minor, the student must complete the following five courses in the listed order:

• CONM1200 Building Construction
• CONM1500 Construction Graphics
• CONM2200 Estimating
• CONM3200 Construction Project Scheduling
• CONM3100 Construction Project Management

Total credits for Minor: 19

Construction Management (MSCM)
Leading to the Master of Science degree
Philip Hammond, Director of Graduate Programs
Dobbs Hall, Room 107
617-989-4594

The practicing professionals of our department are experienced industry leaders who add significantly to the MSCM classes.

Master of Science in Construction Management Program Faculty

<table>
<thead>
<tr>
<th>Name</th>
<th>Rank</th>
<th>Degree/Certification</th>
<th>Years on Staff</th>
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<tbody>
<tr>
<td>Joshua Anderson</td>
<td>Adjunct</td>
<td>MS</td>
<td>5</td>
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<tr>
<td>Payam Bakhshi</td>
<td>Associate Professor</td>
<td>Ph.D / PE.</td>
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<tr>
<td>Mark Baranski</td>
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<td>Margaret Barrett</td>
<td>Adjunct</td>
<td>MA</td>
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<td>Ilyas Bhatti</td>
<td>Associate Professor</td>
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<tr>
<td>Luciana Burdi</td>
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<tr>
<td>Albert Caldarelli</td>
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<td>Cidhinia Torres Campos</td>
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<td>Raul Simeon Consunji</td>
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<tr>
<td>Christine Cosma</td>
<td>Associate Professor</td>
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<td>Gautham Das</td>
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<td>Laura Davis</td>
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<td>Leonard DeLosh</td>
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<td>William Driscoll</td>
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<td>Thomas Dunn</td>
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<td>Ronald Fionte</td>
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<td>Kamran Ghavami</td>
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<td>Mark Hasso</td>
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<td>Ian Hudson</td>
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<td>William Kearney</td>
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<td>Scott Kelting</td>
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<td>Robert Lizza</td>
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<td>Thomas G. Massimo</td>
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<td>Mary Kaitlin McSally</td>
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<td>Richard Moore</td>
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<td>Sandra Owen</td>
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<td>Carl Pearson</td>
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<td>Justin Reginato</td>
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<td>Catherine Shanks</td>
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<td>Erik Simon</td>
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<td>Jeffrey Slattery</td>
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<td>Monica Snow</td>
<td>Associate Professor</td>
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<td>Cindy Stevens</td>
<td>Associate Professor</td>
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<td>Clifford Tischler</td>
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<td>Fredrick Trilling</td>
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<td>Cynthia C.Y. Tsao</td>
<td>Adjunct</td>
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<tr>
<td>Lindsey Wagner</td>
<td>Adjunct</td>
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<tr>
<td>Michael Welton</td>
<td>Adjunct</td>
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</tbody>
</table>

**Practicing Professionals Guest Lecturers/Industry Experts**

- Michael Dukakis, Former Mass. Governor
- Fredrick Salvucci, Former Mass. Secretary of Transportation
- Sam Sleiman, Massport
- Richard Moore, Sr. Exec. VP International TetraTech
- Thomas Richert, Tuscan River Corp.
- Robert France, Senate Construction, President
- William Seery, Director Eggrock Modular Solutions
Program Mission Statement/Goals

Mission
The Master of Science in Construction Management (MSCM) at Wentworth Institute of Technology College of Professional and Continuing Education (CPCE) is a program of study for construction professionals. Started in 2010, the program is designed to educate students in foundational post graduate management principles combined with relevant construction education and experience in topics that are specific to preparing and advancing professionals’ skills in administrative and executive leadership positions in design and construction companies and related disciplines.

Goals
To accomplish the mission of the Master of Science in Construction Management program, the following program goals have been developed in order to prepare students academically for personal and professional success in the built environment. The attainment of goals is evaluated through the program’s outcome assessment program:

- Present opportunities to develop metacognitive and life-long learning skills for students seeking increasingly complex management responsibilities, new leadership roles and overall career advancement
- Expose students to subject matter and industry experts and the latest technological and managerial/leadership advancements and their effects on the Construction Industry.
- Prepare and develop students from related disciplines to advance into the field of Construction Management.

Student Learning Outcomes
The operation, academic integrity and improvement of the MSCM program is based on the relationship of MSCM Program Course and Learning Outcomes to American Council for Construction Educators (ACCE) Required Program Learning Outcomes (PLO). MSCM Course and Student Learning Outcomes (SLO) are mapped to the ten (10) PLOs required by American Council for Construction Educators (ACCE).
As MSCM students seek out advanced managerial and leadership positions in construction related careers, graduates will be able to:

1. Critical thinking and creativity – MSCM students analyze and integrate information to conduct critical, reasoned arguments.
2. Problem solving and decision making - MSCM students design, evaluate, and implement strategies using advanced construction management concepts and practices.
3. Effective and professional oral and written communications - MSCM students produce effective and professional communication in written and oral formats.
4. Use of information and communication technology - MSCM students put into practice computer systems, productivity tools, software, and other information and communication technology.
5. Principles of leadership in business and management - MSCM students apply practical management decision-making tools and techniques and leadership best practices.
6. Current issues in construction - MSCM students demonstrate knowledge from industry experiences and keep up-to-date on developments, best practices, as well as tools and techniques in the
7. Complex project decision making and associated risk management - MSCM students recognize, weigh, and analyze risks associated with complex construction projects
8. Professional ethics including application to situations and choices - MSCM students identify ethical dilemmas in construction and apply practical skills to ethical situations
9. Advanced construction management practices - MSCM students demonstrate knowledge of contemporary construction industry methods and construction management principles and practices.
10. Research methods - MSCM students recognize and conduct valid, data-supported, and appropriate research in construction management.

Student Resources
“Preparing and advancing professionals’ skills in administrative and executive leadership positions in design and construction companies and related disciplines.”

Wentworth Institute of Technology-Employment & Graduate School Report-Class of 2013
- Prepared by Wentworth’s Division of Student Affairs-6/7/2014
- Master of Science in Construction Management
- Employment Rate of MSCM Respondents-100%
- Average Reported Salary-$63,333

Master of Science in Construction Management Graduates Salary Ranges
- Low Salary-$50,000
- Median Salary-$60,000
- High Salary-$80,000

MSCM students are employed in various markets and hold a variety of positions for varied Architecture/Engineering/Construction (AEC) companies.

Masters in Construction Management (MSCM) Courses
- CONM7050, Research Methodology for CM
• CONM7000, Executive Management for CM
• CONM7250, Conflict Resolution and Negotiation
• CONM7300, Real Estate Development
• CONM7200, Construction Law
• CONM7100, Modern Construction Delivery Methods
• CONM8000, Capstone Project in CM
• CONM8900, MSCM Thesis
• MGMT7000, Business Relations and HR Management
• MGMT7050, Business Finance and Investment
• MGMT7150, Business Operations and Process Management
• MGMT7300, Economics and International Business
• CONM7150, Advanced Project Controls
• CONM7500, International Construction

The MSCM program, delivered on campus and online, educates students in foundational business management principles and construction education and allows those who want to pursue an advanced terminal degree the opportunity to do so. Students must complete a minimum of 10 courses (30 credits) and may also choose to complete a 2-course (6 credits) thesis option. To fully integrate both academic and practical learning, each course will utilize both industry professionals as well as academic experts. This is a cohort-based, part-time program that can be completed in less than two years.

Degree Details

Total credits for degree: 30
Total credits for Thesis Option: 36

This is a five-semester program that begins in the fall semester of the student’s first year and is planned to end after the spring semester of their second year. An optional thesis may be taken in the following summer semester.

Construction Management Electives
During the MSCM program, students take one elective in the spring semester of the second year from offerings that may include: CONM7250, Conflict Resolution & Negotiation for CM; CONM7050, Research Methods for CM; CONM 7500, International Construction; a class from the MS in Facility Management program; or a class from the MS in Technology Management program.

Construction Management (MSCM)

First Year, Fall Semester (total credits 6)

• MGMT7000, Business Relations & Human Resources Management
• CONM7000, Executive Management for CM

First Year, Spring Semester (total credits 6)

• MGMT 7050, Business Finance & Investment
• CONM 7150, Advanced Project Controls
First Year, Summer Semester (total credits 6)
- MGMT 7150, Business Operations & Process Management
- CONM 7100, Modern Construction Delivery Methods

Second Year, Fall Semester (total credits 6)
- CONM 7200, Construction Law for CM
- CONM 7300, Real Estate for CM

Second Year, Spring Semester (total credits 6)
- ELECTIVE
  - Construction Management
  - Facility Management
  - Technology Management
- CONM 8000, Capstone Research in CM

Second Year, Summer Semester (total credits 6)
- CONM 8000, Capstone Research in CM
- CONM 8000, Construction Management Thesis (optional)

Construction Careers and Opportunities
Graduates of the MSCM program are prepared to assume leadership positions across the construction industry. According to the Bureau of Labor Statistics, construction managers' median annual salary in Massachusetts was approximately $101,250 in 2012, and nationally the occupation is projected to grow at a faster than average rate of 16% through 2020.

Potential Job Titles
- Assistant Project Manager
- Estimator
- Field Engineer
- Project Engineer
- Superintendent
- Project Manager
- Cost Control Manager
- Scheduler
- Virtual Design and Construction Manager
- Quality Manager
- Entrepreneur
- Real Estate Manager
- Owner Project Manager

Scholarships for Wentworth MSCM students are offered through varied construction industry associations; for example:
- Associated General Contractors (AGC) of America Scholarship
• AGC of MA/Massachusetts Construction Advancement Program (MCAP)
• American Council for Construction Educators (ACCE) Dupree Scholarship
• American Council for Construction Educators (ACCE) Dupree/NHE Scholarship
• Society of American Military Engineers (SAME) Scholarship
• Wentworth Mason Graduate Fellowship Fund Scholarship
• Associated Subcontractors of Massachusetts, Inc. (ASM) Scholarship
• Construction Managers Association of America (CMAA) Annual Scholarship
• National Association of Women in Construction (NAWIC) Scholarship

Services and Opportunities, Special Events and Trade Association Meetings

• Annual Wentworth Institute of Technology Lecture Series programs
• Associated General Contractors of MA (AGC of MA) Building Systems for the Construction Professional Series
• AGC Construction Leadership Council (CLC)
• Annual Boston Society of Civil Engineers Society (BSCES) Engineers Week
• Construction Managers Association of America (CMAA) Young Members
• Boston Society of Civil Engineers Society (BSCES) Younger Member Group
• WITWorks –Employment opportunities and job postings
• Annual College of Professional and Continuing Education (CPCE) Job Shadow Day
• Annual Wentworth Institute of Technology Career Fair
• Annual Wentworth Department of Construction Management Career Networking Event

Architecture/Engineering/Construction (AEC) Trade Associations

• Associated Builders and Contractors (ABC)
• Associated General Contractors (AGC) of America
• Associated General Contractors of Massachusetts (AGC of MA)
• American Council for Construction Educators (ACCE)
• Associated Subcontractors of Massachusetts, Inc. (ASM)
• Construction Managers Association of America (CMAA)
• National Association of Women in Construction (NAWIC)
• American Institute of Constructors (AIC)
• American Society of Civil Engineers (ASCE)
• Associated Specialty Contractors, Inc. (ASC)
• Boston Society of Architects (BSA)
• Boston Society of Civil Engineers Society (BSCES)
• Construction Financial Management Association (CFMA)
• Construction Industry Round Table (CIRT)
• Construction Owners Association of America (COAA)
• Construction Specifications Institute (CSI)
• Design Build Institute of America (DBIA NE)
• International Council of Shopping Centers (ICSC)
• Lean Construction Institute (LCI)
• Massachusetts Hospital Association (MHA)
Facility Management (MSFM)
Leading to the Master of Science Degree

Philip Hammond, Director of Graduate Programs
Dobbs Hall, Room 107
617-989-4594

Facility Management is the holistic management of real property and the infrastructure of an organization with the aim of improving the productivity of its core business. It is the practice of coordinating the physical workplace with the people and work of the organization. Facility Management integrates the principles of business administration, project management, architecture and the behavioral and engineering sciences.

The Master of Science in Facilities Management (MSFM) program is designed to combine common general management techniques with current facility management practices and technologies. The curriculum will provide graduates with the tools and managerial decision making processes related specifically to maintaining and managing the built environment.

Program Mission Statement/Goals
The Master of Science in Facility Management is a program of study for facility management professionals. The program is designed to educate students in foundational post-graduate management principles combined with relevant facility management education and experience in topics that are specific to preparing and advancing professionals’ skills in administrative and executive leadership positions in corporate industry and related disciplines. Both thesis and non-thesis options are available which allow for a variety of employment or educational opportunities including but not limited to working for business sector headquarters in industries such as healthcare, finance, education, high-tech, and bio-tech, as well as advanced education and teaching options.

Goals
• Apply general management techniques to analyze and implement facility decisions for business, non-profit, and government organizations.
- Describe and demonstrate the implementation of management principles relating specifically to maintaining and managing the built environment.
- Formulate effective communication strategies/processes for delivering concepts, financial information, and strategic and tactical information regarding real property, equipment and staffing to all levels of staff in a business organization.
- Demonstrate leadership skills by leading a team from conception through completion and closeout of an assigned project.
- Demonstrate teamwork skills by participating constructively as a team member on an assigned project.
- Develop a facilities technology strategy for a business or other organization that demonstrates knowledge of different technology platforms, workplace management systems and CAFM; and of the larger social, ethical, and legal issues related to information, telecommunications and other supporting technologies.
- Demonstrate knowledge of research tools appropriate for analyzing and developing solutions for facilities management problems.
- Describe what constitutes effective sustainable policy and use that knowledge to develop a corporate sustainable program.
- Create an energy policy for a business or organization that reflects knowledge of how buildings use energy, and of proven methods to reduce energy consumption.
- Formulate and complete a complex project that demonstrates mastery of both the technical and managerial aspects of strategic facility management.

Degree Details

Total credits for degree: 30

This is a five-semester program, starting in the fall of the student’s first year and planned to end in the summer semester of the student’s second year. Students may choose to complete an optional thesis during a sixth semester; it is not required for graduation.

Facility Management (MSFM)

First Year, Fall Semester (total credits 6)
- FMGT7000, Project Management Applications
- MGMT7400, Executive Leadership

First Year, Spring Semester (total credits 6)
- MGMT7050, Business Finance and Investments
- MGMT7450, Executive Leadership

First Year, Summer Semester (total credits 6)
- FMGT7100, Contemporary Issues in Managing Technology
- MGMT7250, Strategic Financial Decision Making

Second Year, Fall Semester (total credits 6)
- FMGT7300, Facility Operations
- FMGT7500, Quantitative Methods in FM Research

Second Year, Spring Semester (total credits 6)
- FMGT7200, Energy/Sustainability
- FMGT8000, Facility Management Capstone
- Second Year, Summer Semester (total credits 6)
- FMGT8900, Facility Management Thesis, OPTIONAL

The Outlook for Master of Science in Facility Management (MSFM) Students
- As technology becomes more essential and commonplace in our daily lives the FM industry will need tech savvy individuals who can not only learn the growing technology requirements quickly but know how to incorporate them into the changing workplace.
- As the current demographic of Facility Managers ‘ages out’ of the workforce the need for talented, academically trained individuals continues to expand. The employment future for FM’s is robust and continues to grow.
- For those individuals that are comfortable with a high level of responsibility and an ability to multi task the Facility Management industry provides numerous challenging, interactive positions in virtually every industry.

Facility Managers Roles & Responsibilities:
- Emergency Preparedness and Business Continuity
- Environmental Stewardship and Sustainability
- Finance & Business
- Human Factors
- Leadership & Strategy
- Operations & Maintenance
- Project Management
- Real Estate & Property Management
- Operations & Maintenance
- Technology

Facility Management Trade Associations and Web Sites
- International Facilities Management Association - www.ifma.org
- Facility Zone - http://www.facilityzone.com/
- Building Operation and Management - www.buildingoperatingmanagement.com
- My Facilities Network - www.myfacilitiesnet.com