

# MASTER OF CONSTRUCTION MANAGEMENT

This program is no longer accepting students pending approval by the Southern Association of Colleges and Schools Commission on Colleges.

## Overview

The Master of Construction Management (M.C.M. (<https://mcm.arc.miami.edu/>)) prepares students for management and leadership roles in the Construction Industry. Formal knowledge and experience in project and construction management are highly sought after by architectural and engineering firms, construction organizations, and real estate developers alike. The curriculum broadens educational and career options for students and prepares them to step into management roles. The program features a forward-thinking state-of-the-art curriculum that prepares students with the knowledge, discipline, and skills to lead design and construction-related organizations in the 21st century. Most classes are offered in the evenings and weekends, to meet the needs of working professionals.

The **36 credit** program is open to students with an undergraduate degree in Architecture, Engineering, Construction, and related studies. Students not having earned a degree in Architecture, Engineering, or Construction related fields may apply to the program. Related experience or area of study will be considered and if deemed necessary by the Program Director, students may be required to take leveling (foundational) courses or attend our boot-camps before enrolling in the curriculum.

The program is a non-thesis program and consists of 36 credit hours. This includes

- 15 credits of required core courses
- 10 credits of professional practice core courses - practicums and internship
- 5 credits technology core courses and
- 6 credits of electives

Combined with other educational opportunities currently offered at the School of Architecture and other academic units, students can enhance their career options and expand their horizons in the job market.

## Admissions

To obtain detailed program admission information, please reference our website <https://mcm.arc.miami.edu> (<https://mcm.arc.miami.edu/>) or contact the Graduate Admission Office at Tel. 305-284-3060.

## Curriculum Requirements

Code	Title	Credit Hours
<b>General Core</b>		
CMA 601	Fundamentals of Construction Management	3
CMA 620	Construction Project Controls	2
CMA 630	Contract Documents	2
CMA 636	Legal Issues in Building Construction	3
CMA 694	Codes, Standards and Regulations	1
ACC 671	Accounting for Decision Making	2
BUS 610	Communicating for Career Success	2
<b>Professional Practice Core</b>		
CMA 670	Construction Site Practicum (Materials and Methods Health and Safety)	2
CMA 671	Construction Management Practicum (Project Management)	2
CMA 674	Capstone Project	3
CMA 676	Interdisciplinary Design Studio/ Integrated Project Delivery	3
<b>Technology Core</b>		
CMA 640	Virtual Design and Construction (VDC/BIM)	3
CMA 642	Emerging Technologies in Design and Construction	2
<b>Electives *</b>		<b>6</b>
<b>Total Credit Hours</b>		<b>36</b>

\* Electives must be approved by the Program Director.  
Internship:

One semester internship as per academic calendar of 10 - 20 hours per week practical training is required for Master of Construction Management students. The practical training must be approved in advance by the faculty director. International Students in F-1 status are required to obtain authorization for CPT from the Department of International Student and Scholar Services (ISSS) prior to engaging in practical training.

## Suggested Plan of Study

		Credit Hours
<b>Fall</b>		
CMA 601	Fundamentals of Construction Management	3
CMA 610	Financial Management and Accounting for Construction	2
CMA 630	Contract Documents	2
CMA 640	Virtual Design and Construction (VDC/BIM)	3
CMA 670	Construction Site Practicum (Materials and Methods Health and Safety)	2
BUS 610	Communicating for Career Success	2
Elective *		1
<b>Credit Hours</b>		<b>15</b>
<b>Spring</b>		
CMA 620	Construction Project Controls	2
CMA 636	Legal Issues in Building Construction	3
CMA 642	Emerging Technologies in Design and Construction	2
CMA 671	Construction Management Practicum (Project Management)	2
CMA 676	Interdisciplinary Design Studio/ Integrated Project Delivery	3
CMA 694	Codes, Standards and Regulations	1
Electives *		2
<b>Credit Hours</b>		<b>15</b>
<b>Summer</b>		
CMA 674	Capstone Project	3
Electives *		3
<b>Credit Hours</b>		<b>6</b>
<b>Total Credit Hours</b>		<b>36</b>

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## Mission

The mission of the Construction Management programs is to broaden educational and career options for our graduates and to provide an integrative, flexible, and state of the art curriculum that prepares students with the knowledge, discipline and the marketable skills to become future leaders of design and construction related organizations worldwide. Students are encouraged, as future industry leaders, address the critical social, economic, and environmental challenges facing the construction industry and to make meaningful contributions in the shaping of the built environment.

## Goals

- To prepare students with the knowledge, discipline, and marketable skills, to become leaders in the 21st-century design and construction-related organizations;
- To provide future construction professionals with the knowledge and quantitative skills required to understand, organize and control construction projects from conception to closeout;
- To expose participants to technical skills and knowledge in architecture, engineering, construction, and cutting-edge technology in support of planning, analyzing, and solving construction problems;
- To encourage our students, as future industry leaders, through the school's culture and resources to address the critical social, economic, and environmental challenges facing the construction industry; and
- To encourage participants to make meaningful contributions to the shaping of the built environment.

## Student Learning Outcomes

- Students will apply various management techniques and methods to efficiently and effectively plan and control construction projects.
- Students will adopt and integrate emerging technologies and innovations in Construction Management practices.
- Students will understand the value of and apply sustainable building practices to optimize the use of available resources.
- Students will apply skills to manage creative teams and project processes effectively and efficiently.
- Students will possess an understanding of the contributions made by design professionals to the construction processes, and can communicate and interact with design professionals within the multidisciplinary construction team.