

# CERTIFICATE IN CONSTRUCTION MANAGEMENT

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## Overview

Growth in the construction industry is projected to outpace all other industries through 2030, creating a high demand for qualified professionals in the industry. The Certificate in Construction Management addresses the growing demand for professionals with the advanced knowledge, discipline, and skills needed to face the challenges of the construction industry and become future leaders of design and construction-related organizations worldwide. The certificate takes advantage of the culture and resources available at the School of Architecture as well as the Miami Herbert Business School and the School of Law. The Certificate in Construction Management prepares graduate architecture students for effective management leadership in the construction field. It provides a foundation for training in professional management of construction projects while focusing on three components that represent the functional areas of construction management:

- Management
- Project Controls
- Design and Construction Technology

Certificate requires a total of 15 credits of core courses and related electives.

**\*This program is not eligible for federal or state financial aid. Contact the Office of Student Financial Assistance and Employment (<https://finaid.miami.edu/>) for further assistance.**

## Admission Requirements

Applications start on November 1 until June 1 for entry in Fall and October 1 until December 1 for entry in Spring. Admission to the Graduate Certificate Program is subject to the rules, regulations and procedures of the Graduate School (<http://grad.miami.edu/>) as stipulated in the University Graduate Bulletin (<http://bulletin.miami.edu/>). It is the responsibility of each student to understand these requirements and to ensure that they are met.

Applications will be reviewed by the Construction Management Faculty Graduate Admissions Committee only after fulfilling the below requirements and all of the following documents have been received:

1. Bachelor degree with a 3.0 cumulative point average (GPA)
2. Completed application (<http://grad.miami.edu/apply/on-campus-graduate-programs/>) form with an application fee. This fee is mandatory.
3. A letter or statement expressing your interest in the certificate and reasons for applying.
4. Official transcripts of all college and university courses taken, indicating the date your professional or other undergraduate degree was awarded. All transcripts must be sent directly from the institution's registrar. E-scripts to download are also accepted. See more information on international transcripts below.
5. Three academic (and professional, if applicable) letters of recommendation. If you have waived your right for access to your letters, they may be sent directly from the recommender, or they may be included with your application in a signed and sealed envelope.

### **Additional requirements for International Students:**

1. TOEFL of min. 80 or IELTS of min. 6.5 (please use University code 5815).
2. Graduate international transcripts will be reviewed by one of the approved Evaluation Services:
  - Josef Silny & Associates, Inc., International Education Associates ([https://www.arc.miami.edu/\\_assets/pdf/universityofMIAMI-graduate.pdf](https://www.arc.miami.edu/_assets/pdf/universityofMIAMI-graduate.pdf)), ([www.jsilny.org](http://www.jsilny.org) (<http://www.jsilny.org/>))
  - Educational Credential Evaluators, Inc. (<http://www.ece.org/>) ([www.ece.org](http://www.ece.org) (<http://www.ece.org/>))
  - World Education Services (<http://www.wes.org/>) ([www.wes.org](http://www.wes.org) (<http://www.wes.org/>))

For application review purposes, English translated official transcripts are sufficient. Once the applicant gets admitted, the international evaluation report is required.

Please visit our website at [www.arc.miami.edu](http://www.arc.miami.edu) (<https://umcm.arc.miami.edu/>) and refer to our latest admission requirements here. (<https://www.arc.miami.edu/admissions/admission-requirements/graduate-requirements/>)

## Curriculum Requirements

### Certificate in Construction Management

Code	Title	Credit Hours
CMA 601	Fundamentals of Construction Management	3
CMA 640	Virtual Design and Construction (VDC/BIM)	3
CMA 676	Interdisciplinary Design Studio/ Integrated Project Delivery	3
Electives (Construction Management Focus)		6
<b>Total Credit Hours</b>		<b>15</b>

#### Electives

Code	Title	Credit Hours
Electives can be selected from the following		
ARC 609	Architecture Design (Construction Management focus)	6
CMA 620	Construction Project Controls	2
CMA 630	Contract Documents (or ARC 617)	2
CMA 642	Emerging Technologies in Design and Construction	2
CMA 632	Construction Risk Analysis and Control	2

Other courses by approval

## Student Learning Outcomes

- Students will demonstrate the ability to effectively use basic architectural and environmental principles in design.
- Students will demonstrate the ability to raise clear and precise questions, use abstract ideas to interpret information, consider diverse points of view, reach well-reasoned conclusions, and test alternative outcomes against relevant criteria and standards.
- Students will demonstrate the ability to read, write, speak and listen effectively.
- Students will demonstrate the ability to use appropriate representational media, such as traditional graphic and digital technology skills, to convey essential formal elements at each stage of the programming and design process.