East Carolina UNIVERSITY

MASTER OF
Construction Management
Online or On Campus (Face-to-Face)

Department of Construction Management

College of Engineering and Technology

www.ecu.edu/cet/construction
Who Should Pursue This Degree?

Prospective students with a Bachelor of Science degree in construction management or a related field will benefit from this program. Disciplines such as civil engineering, architecture, real estate, business, finance, management, marketing, and accounting also translate into our program. For recent graduates, the master of construction management program provides advanced knowledge and critical thinking skills needed to be leaders and innovators in an increasingly globalized construction industry.

For midcareer and experienced professionals, this graduate degree will provide even greater access to knowledge that is essential to excel in today’s fast-paced and ever-changing local and international construction arena. Career advancing topics in the MCM program include emerging technologies, advanced scheduling & cost control, globalization, sustainable construction, productivity, quality, profitability, and best practices.

Faculty

Our highly qualified and experienced faculty members deliver instruction on state-of-the-art tools, techniques, and systems gained through applied research and consulting projects. Instruction is augmented by guest speakers, group projects and discussions, and input from our Industry Advisory Board.
Master of Construction Management (MCM)

Most working professionals have multiple demands on their time, and trying to fit a graduate degree program into an already demanding schedule can be daunting. The MCM program at ECU recognizes these challenges and has designed the program to accommodate the professionals’ needs and to provide an exemplary learning opportunity.

Each class is taught by an instructor certified in providing graduate-level education. Whether students attend face-to-face lectures on campus or participate in the same lectures online, each class offers interaction with the instructor and fellow students. Guest speakers are frequently invited to join the class, providing industry insight and actual points of view regarding the topics under discussion.

The Department of Construction Management has also started to offer a Graduate Certificate in Residential Construction Management (RCM) with the support of the National Housing Endowment. The RCM Certificate requires completion of three courses equal to nine credit hours. The courses expose students to knowledge in the areas of residential trends, sustainability, codes, contracts, risk management and land development.

For admission to the MCM program, students must have a Bachelor of Science degree in a construction or engineering related discipline such as civil engineering. Academic degrees in closely related fields such as architecture, real estate, Business, finance, accounting, management, or marketing will also be considered for admission. Other requirements include:

- Cumulative GPA (CGPA) of at least 2.7 on a 4.0 scale
- Acceptable GRE or GMAT score (30th Percentile)
- Two letters of recommendation
- Statement of purpose or intent
- Detailed curriculum vitae (CV) or resumé

If an applicant’s cumulative GPA is less than 2.7, the applicant may be admitted on a conditional basis. Conditional admission requires a student to maintain a 3.0 cumulative GPA in the first nine (9) graduate credits taken in the MCM program.
Course and Prerequisite Requirements

Students with a Bachelor of Science degree in construction management, construction engineering, or construction technology must complete 30 graduate credits to receive their MCM degree.

Students with a Bachelor of Science degree in an engineering discipline, business, finance, accounting, management, or marketing must demonstrate proficiency in select prerequisite courses at the undergraduate level. See list below. Prerequisite courses (or equivalent) can be taken at East Carolina University or at a community college or university of your choice.

- Construction Plans and Analysis (Blueprint Reading)
- Construction Materials & Methods
- Construction Equipment Management
- Construction Safety
- Construction Estimating
- Construction Scheduling

Prerequisite courses can also be taken online at Internet sites such as http://www.constructionclasses.com. Official transcripts of prerequisite course work will be required for admission and/or graduation. While exemptions from prerequisite courses can be granted by the Graduate Program Director and/or the Chair of the department, students must complete 30 graduate credits to obtain their degrees.

RCM Certificate Admission Requirements

Admission to the residential construction management certificate program requires a 2.5 GPA and a baccalaureate degree from a regionally accredited four-year institution. Retention standards in the certificate program will be based on a 3.0 GPA and completion of all required coursework. To obtain the certificate, students must complete three* courses equal to nine credit hours – CMGT 6625, 6635 and 6640.

Course Descriptions

CMGT 6600 Critical Analysis and Evaluation of Construction Documentation (3): Methods of critically analyzing project data associated with construction design, process application, and project control problems and formulating logical solutions through a variety of documentation sources.

CMGT 6610 Advanced Computer Applications in Construction (3): Understanding emerging computing and information technologies in construction management and engineering.

CMGT 6620 Human Resources and Training (3): Study of human resources in construction business environments; the theories of human behavior and how it is influenced by leadership, organization, environment, motivation, and culture.

CMGT 6625 Residential Construction Trends (3): Acceptance into the RCM Certificate Program; Overview of the residential construction industry, history of home types, development, technology and trends from past to present.

CMGT 6630 Advanced Applications in Construction Scheduling (3): Managing construction scheduling, project control, and strategic planning and analysis of single and multiple projects.
CMGT 6635 Residential Project Risk Management (3): Acceptance into the RCM certificate program; Managing risk of construction projects via categorization, assessment techniques, minimization strategies and contingency planning for residential construction projects ranging in size.

CMGT 6640 Land Use Management and Design (3): Acceptance into the RCM certificate program; Principles and practice of site planning and infrastructure design for large urban developments with relevant aspects of land use theory and implications for site planning.

CMGT 6650 Global Management of Construction (3): Special problems and procedures related to international construction projects; impact of social, cultural, legal and financial aspects of international contracting; logistics of labor, materials, and equipment in a foreign environment.

CMGT 6655 Residential Sustainability (3): Acceptance into the MCM program; Introduction to the standards and considerations for sustainable residential construction of homes.


CMGT 6665 Residential Codes; Contracts and Law (3): Acceptance into the MCM program; Existing and emerging codes and legal conditions within the residential construction sector.

CMGT 6670 Special Topics in Construction (3): Exploration and research in personal areas of interest.

CMGT 6700 Research Capstone Seminar (3): Provides graduate students in construction management an opportunity to conduct independent study and research for the master degree Program.
If you are interested in pursuing a Master of Construction Management degree at ECU or would like more information, we encourage you to contact:

Graduate Program Director  
252-328-6490  
www.ecu.edu/cet/construction

An equal opportunity/affirmative action university, which accommodates the needs of individuals with disabilities.