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

Department of
Construction Management
College of Technology
and Computer Science

www.ecu.edu/tecs/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 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 for excelling in today’s fast-paced and ever-changing local and international arena. Career advancing topics in the MCM program include emerging technologies, 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 for their time, and trying to fit pursuit of a graduate degree into an already demanding schedule can seem daunting. The MCM program at ECU recognizes these challenges and has been designed 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. Faculty may choose to teach the class with live input from students. Whether students attend face-to-face lectures on campus or participate in the same lectures online, via provided software, each class offers interaction with the instructor and fellow students.

The course materials have been developed after careful thought and feedback from construction industry professionals and academic resources. Class topics are designed to best fit the needs and interests of the students, so that concepts covered in class are often useful at work. Additionally, 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, with the support of the National Housing Endowment, is leading the way for online and face-to-face graduate education, making it accessible to many professionals within the homebuilding industry. From students to entrepreneurs, program participants can look forward to upward mobility within the industry.

Program Requirements

To enter the MCM program, students must have a bachelor of science degree in a construction or engineering discipline. Students with a degree in a closely related field 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 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 and have no prerequisite requirements 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 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.

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 6630 Advanced Applications in Construction Scheduling (3): Managing construction scheduling, project control, and strategic planning and analysis of single and multiple projects

CMGT 6640 Land Use Management and Development (3): 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 6660 Quality Control Systems (3): Developing and implementing methods of controlling and evaluating quality control in all processes of construction

CMGT 6662 Legal Implications of Design and Construction (3): Risk liability in the construction industry, contract case law, tort law, negligence, products liability, and role of liability insurance and professional liability of designers and building contractors

CMGT 6664 Advanced Cost Estimating/Cost Analysis (3): Incorporates emerging estimating and cost control measures in the construction industry. Conceptual and definitive estimating, cost developing, cost analysis methods, project delivery implications, international work implications, and computer applications and modeling

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 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/tecs/construction

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