CONSTRUCTION ENGINEERING AND MANAGEMENT (CERTIFICATE)

This program, designed for working professionals, provides the opportunity to explore advanced courses in the area(s) of interest based on experience, education, and academic and professional goals.

Description

The Construction Engineering and Management (CEMT) graduate certificate is designed for working professionals that may not wish to commit to a traditional graduate degree program. Students design their program by choosing 12 credit hours in graduate coursework to earn their certificate. These leaves open the opportunity to continue for another 18 credit hours to complete the Option B Master of Science (M.S.) CEMT. Students have the opportunity to explore the field of construction beyond a bachelor's degree. They can choose advanced courses in the construction engineering and management area(s) of their choice. Advanced course topics include heavy/highway construction, materials design, building information modeling (BIM), project administration, project management, design/build, sustainable construction, leadership and strategic planning for construction, productivity and human factors, codes and specialty permitting, and construction site safety.

Program Website

https://engineering.unl.edu/durhamschool/cemt-cert/

Applying for Admission

Standard requirements for all graduate programs

- Application for Admission with $50 non-refundable application fee (https://graduate.unl.edu/admissions/requirements#appfee).
- Transcripts (https://graduate.unl.edu/admissions/requirements#transcripts) (unofficial): Uploaded as part of application form.

  If International: Uploads must include all college- or university-level transcripts or mark sheets (records of courses and marks earned), with certificates, diplomas, and degrees plus certified English translations.

  After admission: Official documents are required from all students who are admitted and enroll. Photocopies of certified records are not acceptable. International students enrolled in other U.S. institutions may have certified copies of all foreign records sent directly to the Office of Graduate Studies by their current school's registrar office.

- If applicant's native language is not English, verification of English proficiency (https://graduate.unl.edu/admissions/english-proficiency) is required.

  When sending TOEFL scores, our institution code is 6877 and a department code is not needed.

- If applicant is not a US citizen and expects an F or J visa: financial information (https://graduate.unl.edu/prospective/international/financial).
- Applicants must also fulfill any additional requirements the department specifies at the time of application.

Additional requirements specific to this program

- Three letters of recommendation
- Curriculum Vitae or Resume
- Personal Statement: In 1-2 pages, this statement should highlight academic and work-related history, state your short-term and long-term professional goals, describe personal strengths that will help you achieve those goals, and describe how this degree or certificate would help you achieve those goals.

Certificate programs are not considered degree programs, additionally, coursework for this program is delivered primarily online, so international students should be aware that admission to this program is ineligible for immigration forms for an F-1 student visa.

Admission Application Deadlines

Applications are considered monthly on a "rolling admissions" basis.

Requirements

Complete 12 credit hours as described below with a grade of B or better:

CNST 811	Project Administration	3
CNST 815	Mechanical/Electrical Project Management	3
CNST 820	Professional Practice and Ethics	3
CNST 825	Alternative Project Delivery Methods	3
CNST 826	Occupational Health and Safety for Construction	3
CNST 834	The Design-Build Project Delivery System	3
CNST 836	Intent and Application of International Building Code	3
CNST 844	Construction Site Safety Management	3
CNST 850	Sustainable Construction	3
CNST 860	Construction Visualization and Simulation	3
CNST 880	Productivity and Human Factors in Construction	3
CNST 882	Heavy and/or Civil Construction	3
CNST 885	Construction Planning, Scheduling, and Controls	3
CNST 886	Construction Management Systems	3
CNST 887	Construction Leadership and Strategic Planning	3
CNST 890	Masters Project	3
CNST 895	Graduate Internship	3
CNST 898 / CONE 898	Research in Construction Management **	1-6
CONE 817	Formwork Systems	3
CONE 821	Construction Risk Assessment and Management	3
CONE 859	BIM I: Introduction to Building Information Modeling (BIM)	3
CONE 866	Heavy and/or Civil Estimating	3
CONE 876	Project Budgets and Controls	3
CONE 883	Support of Excavation	3
CONE 895	Graduate Internship	3

**Indicates a course that may count as a graduate credit "only" course. The student must work with their advisor, the graduate committee chair, and the course instructor to determine the status of the section taken. A written contract is required.