



CONSTRUCTION MANAGEMENT

COORDINATING HUMAN AND MATERIAL RESOURCES

Construction project management is the art of directing and coordinating human and material resources throughout the life of a project by using modern management techniques to achieve predetermined objectives of scope, cost, time, quality and participation satisfaction.

Today's construction engineers and managers are faced with unprecedented challenges in planning, designing and managing the construction process and maintaining the public and private facilities required to meet society's needs.

Vanderbilt University School of Engineering offers an advanced degree program in civil engineering (M.E.) with a concentration in construction management. Built on the fundamentals of civil engineering, this program balances the latest developments in construction technologies, advanced engineering design and management principles with other disciplines that are required in order to understand and solve the broad range of challenges confronting the construction industry.

HIGH VISIBILITY AND INDUSTRY RECOGNITION

- Graduates of the construction management program are highly sought after and find a wide range of employment opportunities in design, consulting and construction firms.
- The program currently boasts 100% internships and professional placement.
- The Construction Industry Institute has recognized Vanderbilt's program for its outstanding curriculum and delivery of current research and best practices.
- Interaction with the construction industry is enhanced through internship opportunities, project case study analysis and invited guest lecturers of national and international prominence.
- Graduates are eligible for LEED certification.



LEARN MORE ONLINE! <http://engineering.vanderbilt.edu/cee/>



AREAS OF EMPHASIS

- Health Care Construction
- Project Delivery Systems
- Leadership in Energy & Environmental Design (LEED)
- Schedule Reduction Techniques
- Building Information Modeling (BIM)
- Water & Sewer Infrastructure / Trenchless Construction

CONSTRUCTION MANAGEMENT SOFTWARE LAB

The nature of the construction project is such that owners, contractors and designers progress from project inception to completion, while attempting to satisfy competing objectives. This results in high potential for conflict, changes and claims. In this environment, construction management software can provide a foundation to enable transparency, accountability and collaboration.

The Construction Management Software lab hosts a suite of state-of-art software that is used by firms large and small to successfully execute projects. The software includes:

- E-Builder Project Management
- Sage Timberline Estimating
- Oracle Primavera Scheduling
- On-Screen Takeoff
- Hard Dollar Construction Estimating
- Bentley Structural Modeler V8i for BIM
- Bentley RAM Structural System V8i



VANDERBILT
School of Engineering

IMPORTANT DATES

October 22

Last date to take paper-based general GRE

November 19

Last date to take TOEFL (International students)

December 1

Last date to take computer-based general GRE

December 15

Application deadline

Early March

Admissions offers made

April 15

Deadline to accept admission

CONTACT

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