



Construction Management Concentration

M.S. Degree in Applied Engineering and Technology Management

Construction Management at EKU

Eastern Kentucky University established a construction program in the fall of 1977. As a member of the Associated Schools of Construction (ASC), the University has taken seriously its role in the education and training of construction professionals. In 1993, the undergraduate program was accredited by the American Council for Construction Education (ACCE), becoming one of 38 such accredited programs in the nation at that time and the first one in Kentucky. The program received re-accreditation for the third consecutive time in 2010.

Construction Management Careers

Graduates of the program receive a Master of Science in Technology Management and Applied Engineering degree. Most pursue C-Level management with a general contracting firm, starting in a variety of senior-level management positions. Typical positions include project manager, senior project manager, senior estimator, and scheduling consultant. This program is 100 percent online with an approximate class size of ten students.

The Program

The Master of Science Degree in Applied Engineering and Technology Management has been developed for those individuals who are interested in careers in construction organizations. Courses in the program have been designed to cause the student to examine principles, concepts, attitudes, and methods for dealing with many of the challenges which will confront the construction industry now and in the future. The program will be of value to those who are currently employed in construction and have professional growth aspirations to C-Level management.

A full-time Master's student typically takes 6 semester hours, each semester. Master's students should take classes each semester.

Construction Specific Coursework

Construction Management Coursework (9 hours)

One of the following courses is typically offered each semester.

All these courses will not be offered in one semester.

- CON827 New Construction Entity
- CON828 LEED Principles & Procedures
- CON829 Construction Portfolio Management

Total Hours Recommended per Semester: 6



EKU's Construction Management Undergrad program is accredited by the American Council for Construction Education (ACCE).

For More Information

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The Department of Applied Engineering and Technology's Construction Management program has articulation agreements for transfer of credit and cooperation with Bluegrass Community and Technical College's Associate in Applied Science Degree in Architectural Technology and the Associate in Applied Science Degree in Civil Engineering Technology.



**Construction Management MS Degree Concentration
 University Requirements**

Major Requirements 18 hrs

- **AEM 801** Economics for Lean Operations
- **AEM 804** Project Management
- **CON 827** New Construction Entity
- **CON 828** LEED Principles and Procedures
- **CON 829** Construction Portfolio Management
- **TEC 830** Creative Problem Solving

Supporting Course Requirements 6 hrs

This is not a complete list; other electives may be selected, as advised.

- **AEM 706** Six Sigma Quality
- **AEM 802** Productivity Assessment and Analysis
- **AEM 805** Industrial Operations Research
- **ACC 820** Survey of Accounting
- **CIS 850** Management of Information Systems
- **CON 824** Engineering and Construction Forensics
- **CON 825** Airport Planning and Construction
- **CON 826** Practical Construction Law
- **GBU 850** Legal, Ethical and Social Environment of Business
- **STA 700** Applied Statistical Inference

Synthesis Experience 6 hrs

Either AEM 820 (3 hrs) and AEM 821 (3 hrs), or AEM 839 (6 hrs)

- **AEM 820** Technology Proposal
- **AEM 821** Technology Project
- **AEM 839** Applied Learning in Technology Management

Total Curriculum Requirements 30 hrs