



# Construction Management B.S. Degree

## 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 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 fourth consecutive time in 2016.

## Construction Management Careers

Graduates of the program receive a Bachelor of Science degree. Most pursue careers with general contracting firms, starting in a variety of management positions. Typical entry level positions include assistant project manager, estimator, expeditor, office engineer, superintendent, construction coordinator, project scheduler, project engineer, cost engineer, and field engineer. More than 95 percent of recent graduates have found employment in the construction industry. Average starting salary for 2016 was \$55,000. Approximately 130 students are enrolled in the program with an approximate class size of 25 and average graduation rate of 30 students per year. Recent graduates of the program have been employed by several Kentucky companies: Judy Construction Company, Cynthiana; Gray Construction, Lexington; Messer Construction Company, Lexington; 3-D Enterprises, Lexington; The Allen Company, Winchester; Denham-Blythe Company, Lexington; Alliance Corporation, Glasgow; Branscum Construction Company, Russell Springs; Total Comfort Heating & Air Conditioning, Richmond; and Flynn Brothers Contracting, Louisville. Outside the state at Bechtel, Australia, McCarthy of St. Louis, Missouri; Centex-Rodgers of Nashville, Tennessee; Caddell Construction Company of Montgomery, Alabama; Clark of Bethesda; and Peter Kiewit Sons of Omaha, Nebraska.

## Department Facilities, Faculty and Student Organizations

The Department is located in the Ralph W. Whalin Technology Complex which includes approximately 100,000 square feet of classroom and laboratory space. Laboratories housed in the Whalin Complex include aviation, electronics, computer aided drafting (CAD), quality assurance, industrial materials, metallic materials, construction fabrication, hydraulics/pneumatics and computer applications. The facilities are located in the central portion of campus, close to the library, classroom buildings and dormitories. Faculty in the department have diversified academic and experience backgrounds. They are experienced, enthusiastic and devoted to providing students the skills necessary to succeed. Construction Management students have an opportunity to develop extracurricular leadership skills through the Student Contractor Association, a student chapter of the Associated General Contractors (AGC) of America, the Kentuckiana Associated Builders and Contractors (ABC), and the National Association of Home Builders (NAHB).

## For More Information

Department of Applied Engineering and Technology  
307 Whalin Complex  
Eastern Kentucky University  
521 Lancaster Avenue  
Richmond, KY 40475-3102  
859-622-3232  
<http://technology.eku.edu>



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

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.



## Suggested Curriculum Guide for Construction Management

### Freshman (1<sup>st</sup> Semester) 16 hrs

**BTO 100** Orientation (1 hr)  
**CON 121** Introduction to Construction  
**CON 201** Materials & Methods of Construction I  
**E-1A ENG 101/105** English Composition I  
**E-2 MAT 120** Trigonometry  
**E-5A** History

### Freshman 2nd Semester) 15 hrs

**CON 202** Materials & Methods of Construction II  
**TEC 161** Computer Applications in Technology  
**E-1B ENG 102/HON 102** English Composition II  
**E-4 GLY 108** Introduction to Geology  
**E-6** Diversity of Perspectives & Experiences

**Summer Term: CON 349** Co-op Study: Construction Technology (1 hr)\*

### Sophomore (1<sup>st</sup> Semester) 14 hrs

**E-1C CMS 100/210** Communication or Public Speaking  
**CON 294** Construction Graphics  
**CON 221** Plane Surveying  
**E-4 PHY 131** College Physics I (5 hrs)

### Sophomore (2<sup>nd</sup> Semester) 16 hrs

**CON 303** Statics & Strength of Materials  
**CON 320** Construction Surveying  
**MAT 211** Calculus with Applications for Science  
**MAT 217** Calculus Laboratory (1)  
**E-5B ECO 230** Principles of Economics  
**E-6** Diversity of Perspectives & Experiences

**Summer Term: CON 349** Co-op Study: Construction Technology (1 hr)\*

### Junior (1<sup>st</sup> Semester) 16 hrs

**ACC 200** Survey of Accounting  
**CON 307** Foundation Construction (fall only)  
**CON 325** Estimating (4 hrs)  
**CON 326** Horizontal Construction (fall only)  
**E-3A** Arts or **3B** Humanities

### Junior (2<sup>nd</sup> Semester) 15 hrs

**CON 322** Construction Structural Design  
**CON 324** Mechanical/Electrical Systems (spring only)  
**AEM 408** Human Resources or **MGT 301** Principles of Management  
**AEM 310W** Technical Communications  
**Business Upper Division Elective** (3 hrs)\*\*  
**BTS 300** Professional Skills Seminar (0 credit)

**Summer Term: CON 349** Co-op Study: Construction Technology (1 hr)\*

### Senior (1<sup>st</sup> Semester) 12 hrs

**CON 420** Engineering Economy  
**CON 421** Contracts & Bidding (fall only)  
**CON 426** Scheduling  
**BUS 204** Legal & Ethical Environments of Business

### Senior (2<sup>nd</sup> Semester) 13 hrs

**CON 425** Project Organization & Supervision (spring only)  
**CON 499** (4 hrs) Construction Management Capstone (ACCT)\*\* (spring only)  
**CON 428** Sustainability (spring only)  
**E-3A** Arts or **3B** Humanities  
**BTS 400** College to Careers Seminar (0 credit)

\*Three separate summer enrollments are recommended.

\*\*See advisor for suggested business electives.

## University Requirements

General Education..... 36 hrs  
Student Success Seminar (BTO 100; waived for transfers with 30+ hrs.) ..... 1 hr  
Total Hours University Graduation Requirements ..... 37 hrs

## College Requirements:

BTS 300 (CR only, no hours) and BTS 400 (CR only, no hours).

**Major Requirements** ..... 59 hrs

CON 121, 201, 202, 221, 294, 303, 307, 320, 322, 324, 325(4), 326, 349(3)\*\* , 420, 421, 425, 426, 499 (4)

**Supporting Course Requirements** ..... 24 hrs

ACC 201, AEM 310W or CCT 201, ECO 230 (E-5B), GBU 204, GLY 108 (Counts as Gen Ed E-4), TEC 161; MAT 120 (E-2), 217 (1), and 211, or seven hours of higher level MAT courses; MGT 301 or AEM 408, PHY 131 (E-4); and three hours of ACC, CCT, CIS, ECO, FIN, INS, MGT, MKT or RST electives\* as approved by major advisor\*\*; Elective.

**Total Curriculum Requirements** ..... 120 hrs

\*Business electives may be upper or lower division as necessary in order to complete upper division requirement.

\*\*Students wishing to pursue the Minor in Business must confer with their major advisor to make substitutions to the supporting course requirements. INS and RST courses do not apply to the Minor in Business.

\*\*\*Three separate summer enrollments are recommended in order to achieve a total of 3 credit hours. Students must take a construction assessment examination before graduation (exam fee required).