



Construction Management

B.S. and M.S. Degrees

ACCELERATED 3+2 DUAL DEGREE PROGRAM

Students accepted to the 3+2 Accelerated Dual Degree option are able to complete their B.S. degree and M.S. degree within 5 calendar years because of the accelerated curriculum and because 9 semester hours of graduate coursework will apply to both the undergraduate B.S. degree and the graduate M.S. degree. Only undergraduate students of proven academic ability will be considered for the program. Students should be aware that, in order to maintain their progress in the accelerated 3+2 program, careful coordination with their advisor is required. Depending upon undergraduate progress at the time of 3+2 admission, some summer-school classes may be needed.

Admission Requirements:

Students interested in the 3+2 option must satisfy all the following conditions:

1. Junior or Senior standing
2. Overall grade point average (GPA) of at least 3.0 at the time of admission
3. Approval from department and Graduate School (see the form at <http://gradschool.eku.edu/graduate-school-forms>)
4. Maintain an overall undergraduate and graduate grade point average (GPA) of at least 3.0 throughout the program

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 third consecutive time in 2010.

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 2011 was \$49,000. Approximately 100 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. 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
www.technology.eku.edu



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

The Construction Management program has articulation agreements with Bluegrass Community and Technical College's Associate in Applied Science in Architectural Technology and the Associate in Applied Science in Civil Engineering Technology.



Suggested Curriculum Guide for Construction Management

Freshman (1st Semester) 16 hrs

- BTO 100** Orientation (1 hr)
- CON 121** Introduction to Construction
- E-1A ENG 101/105** English Composition I
- E-2 MAT 120** Trigonometry
- TEC 161** Computer Applications in Technology
- E-5A** History

Sophomore (1st 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)

Freshman 2nd Semester) 15 hrs

- CON 201** Materials & Methods of Construction I
- CON 202** Materials & Methods of Construction II
- E-1B ENG 102/HON 102** English Composition II
- E-4 GLY 108** Introduction to Geology
- E-6** Diversity of Perspectives & Experiences

Sophomore (2nd Semester) 16 hrs

- CON 303** Statics & Strength of Materials
- CON 320** Construction Surveying
- E-5B ECO 230** Principles of Economics
- MAT 211** Calculus with Applications for Science
- MAT 117** Calculus Laboratory (1)
- E-6** Diversity of Perspectives & Experiences

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

Junior (1st Semester) 14 hrs

- ACC 201/FIN 310** Intro to Financial Accounting or Entrepreneurial Finance
- CON 307** Foundation Construction
- CON 325** Estimating (5 hrs)
- Wellness** (University Requirement)

Junior (2nd Semester) 15 hrs

- CON 322** Construction Structural Design
- CON 324** Mechanical/Electrical Systems
- MGT 301/AEM 408** Principles of Management
- E-3A** Arts
- 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 (1st Semester) 15 hrs

- CON 421** Contracts & Bidding
- GBU 204** Legal & Ethical Environments of Business
- E-3B** Humanities
- AEM 804** Project Management
- Elective**

Senior (2nd Semester) 13 hrs

- CCT 201** Business Communication
- CON 829** Construction Portfolio Management
- CON 499** Construction Management Capstone (ACCT)***
- AEM 801** Economics for Lean Operations
- BTS 400** College to Careers Seminar (0 credit)

*Two separate summer enrollments are recommended.

Offered only in fall semester.

**See advisor for suggested business electives.

Offered only in spring semester.

University Requirements

General Education.....	36 hrs
Student Success Seminar (BTO 100; waived for transfers with 30+ hrs.)	1 hr
Wellness	3 hrs
Total Hours University Graduation Requirements	40 hrs

College Requirements:

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

Major Requirements 53 hrs

CON 121, 201, 202, 221, 294, 303, 307, 320, 322, 325, 324, 349 (2)***, 421, 499, **829; AEM 801, 804**

Supporting Course Requirements 27 hrs

ACC 201 or FIN 310, CCT 201, ECO 230 (E-5B), GBU 204, GLY 108 (Counts as Gen Ed E-4), TEC 161; MAT 120 (E-2), 117 (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, GBU, INS, MGT, MKT, QMB, 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, QMB and RST courses do not apply to the Minor in Business.

***Two separate summer enrollments are recommended in order to achieve a total of 2 credit hours.

Students must take a construction assessment examination before graduation (exam fee required).