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**PAID**  
Permit 169  
Murfreesboro, TN

## Graduating students will be able to

- evaluate and apply knowledge gained in basic construction methods, materials, codes, specifications, and plan reading to residential construction projects.
- evaluate, analyze, and synthesize a design business plan using knowledge gained from both technical and administrative construction courses.
- identify and solve problems using construction software estimating programs, CAD software, Microsoft Word, Excel, PowerPoint, and Project Management.
- develop and plot a working set of residential architectural drawings; estimate and schedule a project applying information from those drawings.
- develop, produce, and present a proposal for a subdivision (concept through completion) to a board of construction industry professionals.
- understand the ethical, professional, and social responsibilities of a construction professional.
- communicate effectively, clearly, and precisely while conducting construction business as an individual or as part of a team.
- use teamwork and leadership skills to seek and share knowledge and perform tasks creatively and effectively.
- visualize the final product before the conceptual plan is developed.
- gather, analyze, synthesize, and apply research to effectively become a productive member of the construction industry.

**MIDDLE  
TENNESSEE**  
STATE UNIVERSITY

**Engineering Technology Department**  
MTSU Box 19  
1301 E. Main Street  
Murfreesboro, TN 37132

**MIDDLE  
TENNESSEE**  
STATE UNIVERSITY

## Construction Management

*Land Development/  
Residential Building Concentration*



Engineering Technology Department

From the earliest, most primitive shelters to complex, modern construction projects, methods and technologies have changed to keep pace with requirements. Shelters have evolved into buildings of various shapes and countless different functions. **The construction industry is one of the largest industries in the U.S. and creates a demand for highly trained professionals.**

Land Development/Residential Building (LD/RB) is a **concentration** in the four-year Bachelor of Science degree in Construction Management.

The LD/RB program prepares graduates for **entry-level management**. A broad background is achieved through a variety of activities—lectures given by those in the industry, field trips, and hands-on activities both in the classroom and in the field. Creativity and communication skills necessary to meet industry challenges now and in the future will be practiced as students progress through the program.

This program is designed to prepare graduates for **supervisory or staff positions in a variety of construction-related businesses** (land development, construction firms, wholesalers of construction materials, construction material manufacturing, lumberyards, etc.). Employment opportunities include general supervision, project management, human relations, sales and marketing, production and inventory control, quality control, estimating, scheduling, land development, etc.

For more information, contact

**Dr. David Hatfield**  
MTSU Box 153  
Murfreesboro, TN 37132  
615/898-2781

[www.mtsu.edu/et/](http://www.mtsu.edu/et/)



MTSU, a Tennessee Board of Regents university, is an equal opportunity, non-racially identifiable, educational institution that does not discriminate against individuals with disabilities. AA085-1009

## General Education

All candidates for baccalaureate degrees must meet General Education requirements regardless of the department, college, or school in which they pursue their majors. These requirements total **41 semester hours** in Communication, Humanities and/or Fine Arts, Social/Behavioral Sciences, Natural Sciences, Mathematics and History.

Students must complete **120 semester hours** with a cumulative grade point average of 2.00 and a grade of C (2.00) or better in all Construction Management courses in order to graduate.

## Core Curriculum for the Bachelor of Science in Construction Management

In addition to the General Education requirements, students in Engineering Technology concentrations must complete the following:

- core curriculum courses
  - ET 2310 Computer-Assisted Drafting/Design I
  - ET 3615 Principles of Electricity
  - ET 3910 Introduction to Operations Management
  - ET 4420 Industrial Safety
  - ET 4710 Professional Development Seminar
  - ET 4915 Technical Project Management and Soft Skills
  - ET 4970 Engineering Economy
- other specific courses as required for the appropriate concentration.

## Land Development/Residential Building Concentration Courses

- |          |   |
|----------|---|
| CMT 3150 | Residential Building Construction and Materials I               |
| CMT 3160 | Residential Cost Estimating I                                   |
| CMT 3180 | Construction and Materials II                                   |
| CMT 3190 | Construction Land Development Operations                        |
| CMT 3195 | Sustainable Construction  |
| CMT 3210 | Residential Codes, Regulations, Specifications and Plan Reading |



- |          |  |
|----------|--|
| CMT 3320 | Architectural Computer-Aided Drafting and Design |
| CMT 3500 | Land Surveying                                   |
| CMT 4010 | Construction Law                                 |
| CMT 4100 | Mechanical and Electrical Systems                |
| CMT 4110 | Cost Estimating II                               |
| CMT 4120 | Scheduling                                       |
| CMT 4130 | Construction Administration                      |
| CMT 4170 | Capstone—LDRB Construction Management            |

Suggested areas for the optional minor are Business Administration, Economics, or Marketing.

## Related Courses

- |           |   |
|-----------|---|
| ACTG 3000 | Survey of Accounting for General Business |
| INFS 2200 | Introduction to Microcomputing            |
| MKT 3820  | Principles of Marketing                   |
| FIN 2450  | Principles of Real Estate                 |
| SPAN 1010 | Elementary Spanish I                      |

## Admission and Fees

Admission requirements for the Construction Management program are the same as admission requirements to MTSU. Contact Admissions at 615/898-2111 or 1-800-331-6878 if calling from Tennessee or 1-800-433-6878 if calling from out of state. For information about tuition and fees, contact the Business Office at 615/898-2761.

## Financial Aid

**Scholarships and grants** are available to qualified students. Apply through the Office of Financial Aid, 615/898-2830.