Goals for graduating students

Evaluate and apply knowledge gained in construction methods, materials, codes, specifications, and plan reading to electrical construction projects.

Evaluate, analyze, and synthesize a design business plan using knowledge gained from both technical construction and administrative courses.

Identify and solve problems using construction estimating and project management software programs, CAD software, Microsoft Word, Excel, and PowerPoint.

Estimate and schedule an electrical construction project using information from architectural blueprints.

Develop, produce, and present a proposal for an electrical construction plan from concept through completion to a board of industry professionals.

Understand the ethical, professional, and social responsibilities of an electrical construction professional.

Communicate effectively, clearly, and precisely while conducting electrical construction business as an individual or as part of a team.

Use teamwork and leadership skills to seek and share knowledge and perform 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 electrical construction industry.
Bachelor of Science Degree

Major in Construction Management

The Electrical Construction Management concentration within the Construction Management major is designed to prepare students for staff or supervisory positions in electrical construction and related fields such as electrical contracting, purchasing, estimating for electrical contractors, electrical materials and equipment supply, the prefabricated housing industry, electrical codes inspection*, and mechanical contracting. The degree is designed to teach electrical theory and practice in tandem with construction topics, codes, methods, law, materials, and management practices. The program is accredited by the Association of Technology, Management, and Applied Engineering (ATMAE).

*Additional state requirements beyond the degree are required.

General Education

All candidates for baccalaureate degrees must meet general education requirements regardless of the department or college 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. To graduate, students must complete 120 semester hours with a cumulative grade point average of 2.0 and have a 2.0 GPA in all Construction Management courses.

Core Curriculum for the Bachelor of Science in Construction Management

In addition to general education requirements, students in Engineering Technology concentrations must complete the following:

- CMT 4010 Construction Law
- ET 2310 Computer-Assisted Drafting/Design 1
- ET 3910 Introduction to Operations Management
- ET 4420 Industrial Safety
- ET 4710 Professional Development Seminar

Electrical Construction Management (ECM) Concentration Courses

- CMT 3155 Land Development and Residential Building
- CMT 3210 Residential Codes, Regulations, Specifications, and Plan Reading
- CMT 4120 Scheduling
- CMT 4130 Construction Administration
- CMT 4172 Capstone for Electrical Construction Management
- ET 3610 Introduction to Electricity and Electronics
- ET 3620 Digital Circuits Fundamentals
- ET 3630 Electronics
- ET 4600 Programmable Logic Controllers
- ET 4610 Instrumentation and Controls
- ET 4640 Industrial Electricity

ECM Supporting Courses

- ACTG 3000 Survey of Accounting for General Business
- INFS 2200 Introduction to Microcomputing
- MATH 1530 Applied Statistics
- MATH 1710 College Algebra
- SPAN 1010 Elementary Spanish I
- ET 3920 Industrial Internship I
- ET 3930 Industrial Internship II
- ET 4970 Engineering Economy or ET 4915 Technical Project Management and Soft Skills

Admissions Office

- MTSU Box 153
- 1301 East Main St.
- Murfreesboro, TN 37132
- (615) 898-2761
- 1-800-331-MTSU (in state)
- 1-800-433-MTSU (out of state)
- www.mtsu.edu/admissn
- dhaffiel@mtsu.edu

For more information

Dr. David Hatfield
- MTSU Box 153
- 1301 East Main St.
- Murfreesboro, TN 37132
- (615) 898-2781
- dhatfiel@mtsu.edu

Fees/Financial Aid

For information about tuition and fees, call the Business Office at (615) 898-2761.
For information about scholarships and grants, call the Financial Aid Office at (615) 898-2830.

www.mtsu.edu

MTSU, a Tennessee Board of Regents university, is an equal opportunity, non-racially identifiable, educational institution that does not discriminate against individuals with disabilities. AA279-0311