



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. Bridges, dams, sewage treatment plants, pipelines, highways, and commercial and government projects of many kinds show the variety of endeavors in the modern construction industry.



The construction industry is one of the largest industries in the U.S. and creates a demand for highly trained professionals.



The **Commercial Construction Management concentration** within the Construction Management Technology major is designed to prepare students to fill entry-level supervisory and estimating positions in construction-related entities such as commercial construction firms and construction materials manufacturers, wholesalers, and retailers.

Successful graduates will find **opportunities for employment worldwide** as estimators, assistant construction superintendents, assistant or project managers, assistant project engineers, and supervisors. Positions are plentiful in Tennessee and nationwide.

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**MIDDLE
TENNESSEE**
STATE UNIVERSITY

**Engineering Technology
and Industrial Studies Department**
Middle Tennessee State University
Murfreesboro, TN 37132

**MIDDLE
TENNESSEE**
STATE UNIVERSITY

Commercial Construction Management



Engineering Technology and Industrial Studies Department

Requirements

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 Commercial Construction Management Technology courses in order to graduate. They must also complete General Education, a core curriculum, and Business Administration minor and concentration-specific courses as outlined in the following sections.

General Education

All candidates for baccalaureate degrees must meet General Education (GE) requirements regardless of the department or college in which they pursue their majors. These requirements total forty-one (41) semester hours in Communications, Humanities and/or Fine Arts, Social/Behavioral Sciences, Natural Sciences, Mathematics, and History. Mathematics requirement for the concentration consists of Calculus 1 with prerequisites of Algebra and Trigonometry.

Construction Management Technology

In addition to the General Education requirements, students must complete the following:

A minimum **60 hours** of engineering technology and industrial studies courses as listed under the appropriate concentration including a **core curriculum** consisting of

ET 1840	Engineering Fundamentals	3 hrs.
ET 2310	Computer-Assisted Drafting and Design I	3 hrs.
ETIS 2920	Industrial Orientation Internship	2 hrs.
ET 3830	Statics	3 hrs.
ET 3860	Strength of Materials	3 hrs.
ET 4420	Industrial Safety	3 hrs.
ET 4710	Industrial Seminar	1 hr
ET 4915	Technical Project Management and Soft Skills	3 hrs.
ET 4970	Engineering Economy	3 hrs.



Concentration-specific courses

CMT 1000	Intro. to Commercial Construction	1 hr.
CMT 3000	Commercial Construction and Materials	3 hrs.
CMT 3320	Architectural Computer-Aided Drafting and Design	4 hrs.
CMT 3500	Land Surveying	3 hrs.
CMT 4000	Soils, Foundations, and Earth Moving Equipment	3 hrs.
CMT 4010	Construction Law	3 hrs.
CMT 4100	Mechanical and Electrical Systems	4 hrs.
CMT 4140	Construction Management Principles	3 hrs.
CMT 4200	Commercial Cost Estimating and Bidding	3 hrs.
CMT 4280	Commercial Construction Capstone	1 hr.
ET 3615	Principles of Electricity	4 hrs.

Other departmental courses:

CIM 3000	Fundamentals of Concrete: Properties and Testing	4 hrs.
CIM 3050	Concrete Construction Methods	3 hrs.

Business Administration Minor recommended courses

ACTG 3000	Survey of General Accounting for General Business	3 hrs.
INFS 3100	Principles of Management Information Systems	3 hrs.
MGMT 3610	Principles of Management	3 hrs.
BLAW 3400	Legal Environment of Business	3 hrs.
MKT 3820	Principles of Marketing	3 hrs.
FIN 3000	Principles of Financial Management	3 hrs.



Financial aid

Scholarships and grants are available to qualified students. Apply through Student Financial Aid, (615) 898-2830.

The department and community

The Engineering Technology and Industrial Studies Department prepares students for a wide range of technical and managerial positions in industry and engineering technology. Through nationally accredited programs, a project-based learning environment, and extensive collaboration with industry, the department helps students acquire the technical and scientific knowledge base required for success in their chosen fields.



MTSU's spacious, 500-acre campus features modern buildings existing harmoniously with historic structures. Renovated residence halls, a computerized, state-of-the-art library, a large recreation center, and campus-wide computer access support solid academic programs for more

than 23,000 students. Individual help and attention from faculty members is an important aspect of MTSU's educational philosophy. Murfreesboro is at the geographical center of Tennessee and is only thirty miles from Nashville, the state capitol. Restaurants, shopping centers, and lovely natural areas have attracted business and commerce and contributed to the area's liveability.

For more information

**Dr. Al Carter, Professor, or
Dr. Walter Boles, Department Chair**

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