

2024-2025 TTC Catalog - Engineering and Construction

TTC's Division of Engineering and Construction provides programs addressing the needs of the engineering, manufacturing, electrical and construction industries. Not only are jobs in these sectors considered high demand; they are also high wage positions. Associate degrees and certificates are offered in the areas of engineering transfer, engineering technology, electrical line work, residential electrician, automation technology, and horticulture technology. Engineering Technology programs include Electronics, Mechanical and Civil engineering technology. Engineering transfer areas include Construction, Electrical, Mechanical and Civil engineering which contain courses that transfer to several four-year engineering institutions. The 2+2 agreement with The Citadel allows students to take their entire first two years of an engineering bachelor's degree at TTC, then transfer to The Citadel to complete their degree. Students interested in any of the division's programs should enjoy science and math, and should have a curious mind. Students will learn from experienced professionals in an industrial setting where equipment/instrument use and safety are emphasized.

Associate Degree

Civil Engineering Technology

Electronics Engineering Technology

General Technology - Electrical Line Worker Technology

General Technology - Electrician - Industrial and Construction

General Technology - Engineering Design Graphics

General Technology - Mechatronics

Horticulture Technology

Mechanical Engineering Technology

Certificate

Advanced Automation - Mechatronics

Arboriculture Management

Architectural Drafting

Athletic Field Maintenance

Civil Drafting

Civil Engineering - Transfer to The Citadel
Computer Aided Design I
Computer Aided Design II
Computer Engineering Transfer - The Citadel
Construction Engineering Transfer - The Citadel
Construction Management
Edible Crops
Electrical Drafting
Electrical Engineering Transfer -The Citadel
Electrical Line Worker - Advanced
Electrical Line Worker - Third Class
Electrician - Construction
Electrician - Industrial
Engineering Assistant - Engineer Pathway
Engineering Assistant - Technician Pathway
Golf Course Maintenance
Landscape Design
Landscape Management
Mechanical Drafting
Mechanical Engineering Transfer - The Citadel
Surveying
Sustainable Agriculture
Sustainable Horticulture and Landscaping