

# 2020-2021 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

Basic Electronic Journeyman I

Civil Drafting  
Civil Engineering - Transfer to The Citadel  
Computer Aided Design I  
Computer Aided Design II  
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 - Automated Controls  
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