

EDUCATION PATHWAYS | Engineering and Engineering Technology

CHATTSTATE
Start here. Go anywhere.

**START
HERE**

HIGH SCHOOL



- » Institute of Aviation at Brainerd High
- » Institute of Construction, Engineering, and Design at Sale Creek Middle/High
- » Institute of Architecture and Engineering Design at Harrison Bay Future Ready Center
- » Institute of Building Construction at East Ridge High
- » Institute of Engineering and Design at East Ridge High
- » Novonix Institute of Advanced Battery Technology at Lookout Valley Middle/High
- » Institute of Advanced Agriculture, Food, Natural Resources and Technology at Hixson High
- » Institute of Robotics and Welding at The Howard School
- » Institute of Architecture and Engineering Design at Harrison Bay Future Ready Center
- » Advanced Manufacturing and Construction at Harrison Bay Future Ready Center



- » Dual Enrollment
- » Local Dual Credit
- » Mechatronics Academy at VW
- » Polytech Academy
- » Construction Career Center
- » Engineering and Architecture Pathway
- » Building Construction Technology at Harrison Bay Future Ready Center
- » Welding Dual Enrollment at Harrison Bay Future Ready Center

1-2 YEARS

CHATTANOOGA STATE COMMUNITY COLLEGE

Associate of Applied Science (A.A.S.)

GENERAL ENGINEERING

- » Chemical Emphasis
- » Civil Emphasis
- » Electrical Emphasis
- » Mechanical Emphasis
- » Chemical Engineering Technology
- » Civil Engineering Technology
- » Construction Engineering Technology
- » Design Drafting Engineering Tech.
- » Mechanical Engineering Technology
- » Non-Destructive Testing Technology
- » Nuclear Power Engineering

- » Engineering Systems Management
- » Industrial Technology
- » ELECTRICAL/ELECTRONIC ENGINEERING TECHNOLOGY
- » Construction Management
- » Welding Engineering Technology
- » Engineering Systems Management
- » Industrial Technology
- » ELECTRICAL/ELECTRONIC ENGINEERING TECHNOLOGY
- » Automated Controls
- » Computer Systems
- » Solar Energy Technology

ELECTRIC VEHICLE ENGINEERING TECHNOLOGY

MECHATRONICS TECHNOLOGY

1 YEAR OR LESS

DIPLOMAS & CERTIFICATES

- » Automotive Technology
- » Collision Repair Technology
- » Computer Support Technician
- » Diesel Equipment Technology
- » HVAC/R Technician
- » Industrial Electricity
- » Industrial Maintenance Technician
- » Landscape and Turf Management
- » Motorcycle & Marine Service Technician
- » Machine Tool Technology
- » Road Building Equipment Service Technician
- » Welding Technology

2-8 WEEKS

- » American Welding Society (AWS) Certified Welder

4 YEARS+ (including ChattState)



Bachelor of Science (B.S.)

- CHEMICAL ENGINEERING
- CIVIL ENGINEERING
- ELECTRICAL ENGINEERING
- ENGINEERING TECHNOLOGY MANAGEMENT
- » Construction Management
- » Engineering Management
- MECHANICAL ENGINEERING

Bachelor of Applied Science (B.A.S.)

- MECHATRONICS ENGINEERING TECHNOLOGY

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💰 = paid apprenticeships available

CAREER PATHWAYS

Engineering Technology

CAREER	JOB DEMAND				EDUCATION PATHWAY					MEDIAN ANNUAL SALARY*
	Slower than Average/Decline	Average	Better than Average	Much Better than Average	Certificates & Diplomas	Associate Degrees	Bachelor's Degrees	Master's Degrees	Doctoral Degrees	
Aerospace Engineers			●			●	●			\$114,860.00
Architects, Except Landscape and Naval			●			●	●			\$77,030.00
Architectural and Civil Drafters		●			●	●				\$58,290.00
Automotive, Mechanics/Collision Repair Technician		●			●	●				\$44,790.00
Chemical Engineers			●			●	●	●		\$101,600.00
Civil Engineering Technicians		●			●	●				\$39,210.00
Civil Engineers			●			●	●			\$97,720.00
Computer Hardware Engineers			●			●	●			\$75,350.00
Diesel Mechanics		●			●	●				\$42,290.00
Drafters, All Other					●					\$50,060.00
Electrical and Electronics Drafters		●			●	●				\$44,640.00
Electrical and Electronics Engineering Technicians		●			●	●				\$60,150.00
Electrical Engineers		●				●	●			\$109,230.00
Electricians			●		●	●				\$52,080.00
Electro-Mechanical Technicians					●	●				\$44,870.00
Electronics Engineers, Except Computer			●			●	●			\$87,620.00
Engineering Technicians, Except Drafters, All Other		●				●				\$78,330.00
Engineers, All Other			●			●	●			\$80,390.00
Environmental Engineering Technicians		●			●	●				\$54,910.00
Environmental Engineers			●			●	●			\$80,150.00
Health and Safety Engineers, Except Mining Safety Engineers and Inspectors			●			●				\$115,380.00
HVAC Technicians			●		●	●				\$47,260.00
Industrial Engineering Technicians		●			●	●				\$55,120.00
Industrial Engineers				●		●	●			\$80,880.00
Landscape Architects		●				●	●			\$77,640.00
Machinists		●			●	●				\$45,760.00
Materials Engineers			●			●	●			\$104,470.00
Mechanical Drafters	●					●	●			\$47,820.00
Mechanical Engineering Technicians		●				●	●			\$58,980.00
Mechanical Engineers				●		●				\$95,260.00
Motorcycle Technicians		●			●	●				\$38,390.00
Nuclear Engineers		●				●				\$128,670.00
Surveying and Mapping Technicians		●			●	●				\$38,270.00
Surveyors			●			●				\$56,750.00
Welders		●			●	●				\$47,450.00
Automotive Body and Related Repairers		●			●	●				\$42,800.00

*Median salary range for Engineering Technology careers in Chattanooga MSA. Data from onetonline.org; dol.gov.