OUR MISSION
The Automotive Manufacturing and Automation program at Trenholm State strives to build a comprehensive workforce in the automotive manufacturing industry for the benefit of manufacturing employers and those desiring to enter these high-skills, high-wage occupations.

INDUSTRY FACTS
Automotive Manufacturing and Automation is a rapidly growing career in one of Alabama’s highest-growth industries, automotive manufacturing. Assembly plants operated by Mercedes, Honda, and Hyundai have propelled Alabama to a Top-5 ranking among the states for the production of cars and light trucks. In 2017, Alabama automakers combined to produce around 1 million cars and light trucks. Toyota, Honda, and Hyundai also produced about 1.7 million engines in 2017, another sign of the sector’s strength in the state.

Employment in Alabama’s automotive manufacturing sector now approaches 40,000, surging from just a few thousand in the days before Mercedes. Around 27,000 of these jobs are in Alabama’s growing automotive supplier network, which now counts over 200 companies.

Both employment and production will receive a massive boost when the Mazda-Toyota partnership opens a $1.6 billion joint venture assembly plant in Alabama. Construction will begin in 2019, and the facility will employ 4,000 workers at full production. Annual production capacity will be 300,000 vehicles. (Source: Made in Alabama—Alabama Department of Commerce)

POTENTIAL SALARY RANGE
The average full-time annual wage for a multi-craft technician is $26,580 - $69,550. Employment in the manufacturing field is expected to increase 6 to 10 percent through the year 2026.

$26,580 - $69,550
Source: Bureau of Labor and Statistics Occupational Outlook Handbook, May 2018

FOR ADDITIONAL INFORMATION:
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Are you looking for a career in the modern manufacturing environment? Accelerate your new career in the Automotive Manufacturing and Automation Industry.

EQUAL OPPORTUNITY IN EDUCATION AND EMPLOYMENT
It is the official policy of the Alabama Department of Postsecondary Education and H. Councill Trenholm State Community College that no person shall, on the grounds of race, color, disability, sex, religion, creed, national origin, or age, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program, activity, or employment.
WHAT IS AUTOMOTIVE MANUFACTURING AND AUTOMATION?

Trenholm State offers highly informative programs to prepare students to become multi-craft technicians. This program will give students knowledge in the following areas using the most up-to-date modern equipment: Metrology, Coordinate Measuring Machine, Welding, Electrical, Programmable Logic Controllers, Machine Tool, Troubleshooting assembly lines, and Robotics Maintenance.

The multi-craft technician is responsible for setup, installation, troubleshooting, repair, and testing of complex mechanical electrical equipment, including automatic machines and process controls, motor control centers and related controls, computer control systems, some with man/machine interfaces, as well as basic plant electrical equipment. This includes preventive maintenance activities related to production and building equipment, machinery and components.

At Trenholm State, the Automotive Manufacturing and Automation program is designed to equip a student with the skills and technical knowledge needed to be a success in this interesting and growing field. The students are assigned to specific lab projects that must be completed while studying the theory directly related to the projects.

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