

# SCHOOL OF ADVANCED MANUFACTURING & TRANSPORTATION TECHNOLOGY

The School of Advanced Manufacturing and Transportation Technology at Greenville Technical College provides classes for over 600 credit and non-credit students annually to include dual-enrolled high school students. The school offers the Associate in Applied Science Degree and Certificate in Applied Science credentials. The school offers the Bachelor of Applied Science Degree, the Associate in Applied Science Degree and Certificate in Applied Science credentials. Ten departments are part of this school:

- Advanced Manufacturing Technology
- Automotive Technology
- Auto Body Repair
- Aircraft Maintenance Technology
- Air Conditioning/Refrigeration Technology
- CNC (Computer Numerical Control) / Machine Tool
- Diesel Equipment Technology
- Industrial Electricity
- Mechatronics
- Welding

Uniquely, the school offers many experiential learning opportunities through internships, apprenticeships and tech-scholar programs with local industry, and the aircraft maintenance technology program has a partnership with the SC National Guard. The automotive technology Associate in Applied Science programs, the auto body repair Associate in Applied Science program, and the Diesel Equipment Technology certificate program hold programmatic accreditation through the ASE Education Foundation. The aircraft maintenance technology program is approved by the Federal Aviation Administration.

Classes for these departments are taught by 55 full-time faculty and additional adjunct faculty members. Uniquely, the school offers many experiential learning opportunities through internships, apprenticeships and tech-scholar programs with local industry, as well as intensive hands-on learning opportunities within the Center for Manufacturing Innovation.

The Advanced Manufacturing Technology applied bachelor degree is a SACSCOC approved program, <https://www.sacscoc.org/>.

## Bachelor's Degree

- Advanced Manufacturing Technology Bachelor in Applied Science (<https://catalog.gvltec.edu/school-advanced-manufacturing-transportation-technology/advanced-manufacturing-technology/advanced-manufacturing-technology-bas/>)

## Associate Degrees

- Aircraft Maintenance Technology Associate in Applied Science (<https://catalog.gvltec.edu/school-advanced-manufacturing-transportation-technology/aircraft-maintenance-technology/aircraft-maintenance-technology-aas/>)

- Auto Body Repair Associate in Applied Science (<https://catalog.gvltec.edu/school-advanced-manufacturing-transportation-technology/auto-body-repair/auto-body-repair-aas/>)
- Automotive Technology Associate in Applied Science (<https://catalog.gvltec.edu/school-advanced-manufacturing-transportation-technology/automotive-technology/automotive-technology-aas/>)
- Computer Numerical Control (CNC) Programming and Operations Associate in Applied Science (<https://catalog.gvltec.edu/school-advanced-manufacturing-transportation-technology/machine-tool-technology/computer-numerical-control-cnc-programming-operations-aas/>)
- Mechatronics Technology Associate in Applied Science (<https://catalog.gvltec.edu/school-advanced-manufacturing-transportation-technology/mechatronics-technology/mechatronics-technology-aas/>)

## Certificates

- Advanced Auto Body Repair Certificate in Applied Science (<https://catalog.gvltec.edu/school-advanced-manufacturing-transportation-technology/auto-body-repair/advanced-auto-body-repair/>)
- Air Conditioning/Refrigeration Technician Certificate in Applied Science (<https://catalog.gvltec.edu/school-advanced-manufacturing-transportation-technology/hvacr/air-conditioning-refrigeration-technician-certificate/>)
- Auto Body Repair Certificate in Applied Science (<https://catalog.gvltec.edu/school-advanced-manufacturing-transportation-technology/auto-body-repair/auto-body-repair-certificate/>)
- Automotive Maintenance and Light Repair Certificate in Applied Science (<https://catalog.gvltec.edu/school-advanced-manufacturing-transportation-technology/automotive-technology/automotive-medium-light-repair-certificate/>)
- Aviation Airframe Structure/Systems Certificate in Applied Science (<https://catalog.gvltec.edu/school-advanced-manufacturing-transportation-technology/aircraft-maintenance-technology/aviation-airframe-structure-systems-certificate/>)
- Aviation Fundamentals Certificate in Applied Science (<https://catalog.gvltec.edu/school-advanced-manufacturing-transportation-technology/aircraft-maintenance-technology/aviation-fundamentals-certificate/>)
- Aviation Powerplant Theory/Systems Certificate in Applied Science (<https://catalog.gvltec.edu/school-advanced-manufacturing-transportation-technology/aircraft-maintenance-technology/aviation-powerplant-theory-systems-certificate/>)
- Beginning Electricity & Refrigeration Certificate in Applied Science (<https://catalog.gvltec.edu/school-advanced-manufacturing-transportation-technology/hvacr/beginning-electricity-refrigeration-certificate/>)
- CNC Machine Operator Certificate in Applied Science (<https://catalog.gvltec.edu/school-advanced-manufacturing-transportation-technology/machine-tool-technology/cnc-machine-operator-certificate/>)
- Diesel Engine Performance Certificate in Applied Science (<https://catalog.gvltec.edu/school-advanced-manufacturing-transportation-technology/diesel-equipment-technology/diesel-engine-performance-certificate/>)
- Diesel Equipment Technology Certificate in Applied Science (<https://catalog.gvltec.edu/school-advanced-manufacturing-transportation-technology/diesel-equipment-technology/diesel-equipment-technology-certificate/>)

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- Estimating and Appraiser Certificate in Applied Science (<https://catalog.gvltec.edu/school-advanced-manufacturing-transportation-technology/auto-body-repair/estimating-and-appraiser-certificate/>)
- Heavy Equipment Auxiliary Systems Certificate in Applied Science (<https://catalog.gvltec.edu/school-advanced-manufacturing-transportation-technology/diesel-equipment-technology/heavy-equipment-auxiliary-systems-certificate/>)
- Industrial Electricity Certificate in Applied Science (<https://catalog.gvltec.edu/school-advanced-manufacturing-transportation-technology/industrial-electricity/industrial-electricity-certificate/>)
- Mechatronics I Certificate in Applied Science (<https://catalog.gvltec.edu/school-advanced-manufacturing-transportation-technology/mechatronics-technology/mechatronics-i-certificate/>)
- Mechatronics II Certificate in Applied Science (<https://catalog.gvltec.edu/school-advanced-manufacturing-transportation-technology/mechatronics-technology/mechatronics-ii-certificate/>)
- Specialized Welding Certificate in Applied Science (<https://catalog.gvltec.edu/school-advanced-manufacturing-transportation-technology/welding/specialized-welding-certificate/>)
- Welding and Robotic Technology Certificate in Applied Science (<https://catalog.gvltec.edu/school-advanced-manufacturing-transportation-technology/welding/welding-certificate/>)

Visit our web page at [https://www.gvltec.edu/academics\\_learning/advanced-manufacturing-transportation/index.html](https://www.gvltec.edu/academics_learning/advanced-manufacturing-transportation/index.html) ([https://www.gvltec.edu/academics\\_learning/advanced-manufacturing-transportation/](https://www.gvltec.edu/academics_learning/advanced-manufacturing-transportation/)).