



# Fleet Maintenance and Light Repair

## A Technical Certificate Program

### PROGRAM DESCRIPTION

The Fleet Maintenance and Light Repair certificate program prepares individuals as automotive quick lane technicians. Topics studied include automotive troubleshooting/maintenance and the repair and service of engines, drive trains, suspension systems, electrical/electronic systems, emission control systems, and heating/air conditioning systems.

### APPLICATION PROCEDURE

A student desiring to pursue a certificate in Fleet Maintenance and Light Repair must:

1. Submit the Northeast State Application for Admission to the Office of Admissions and Records.
2. Indicate Fleet Maintenance and Light Repair certificate as the desired major on the Northeast State application form.
3. See a faculty advisor from the Automotive Technology program prior to registering for classes.

### TYPICAL PROGRAM OF STUDY

Course No.	Course Title	Credit
<b>FALL</b>		
AUTO 1010	Basic Steering & Brakes	3
AUTO 1020	Engine Fundamentals	3
AUTO 1110	Basic Automotive Electrical	3
AUTO 1140	Basic Power Trains	3
<b>SPRING</b>		
AUTO 1210	Fleet Maintenance & Management	3
AUTO 1220	Basic Electronics	3
AUTO 1230	Modern Emission Systems	3
AUTO 1240	On-board Diagnostics	3
Total Credit Hours		24

If applicable to the student, additional courses may be required to overcome deficiencies in English, mathematics, and reading if planning to continue their education with the certificate in Automotive Service and/or Associate of Applied Science in Industrial Technology - Concentration: Automotive Service.

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## TYPICAL JOB OPPORTUNITIES

**Entry Level Fleet Technician:** Responsible for inspecting and maintaining the safety and efficiency of vehicles for various industrial operations and services. Fleet Technicians conduct regular maintenance of the engines, repairing its malfunctioning components, and upgrading its system for optimal performance. They oversee the overall management of fleet operations, keeping an organized record of resolutions for reference to avoid reoccurrence of defects.

**Entry Level Quick Lane Technician:** Duties include lube and oil changes, tire repair and replacement, brakes, batteries and overall light auto repair and servicing.

**Service Consultant, Advisor:** Schedules service for customers. Makes repair recommendations and manages delivery of repairs. Ensures that all completed repairs have gone through quality control and/or a road test. Maintains current knowledge of vehicle operation, warranties, campaigns, and other service information, such as state lemon laws and Technical Service Bulletins (TSB)

**Tire Store Technician:** Duties include mounting, balancing, rotating, and the repair of passenger and commercial tires.

## PROGRAM COMPETENCIES

The graduate is competent to:

1. Demonstrate and diagnose On-board Diagnosis second generation (OBDII) systems for imports and domestic vehicles.
2. Perform system flush and refill on coding systems, automatic and manual transmissions, hydraulic brakes, and differentials.

3. Demonstrate the ability to maintain a clean and safe work area.
4. Demonstrate and perform service work on all internal combustion engines (ICE).
5. Demonstrate and perform service work on HEV and EV vehicles.
6. Prepare work orders that highlight general automotive repair procedures.

## FOR FURTHER INFORMATION CONTACT:

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Northeast State Community College is part of the Tennessee Board of Regents system, Tennessee's largest higher education system, governing 40 post-secondary educational institutions with over 200 teaching locations. The TBR system includes 13 two-year colleges, 27 colleges of applied technology, and TN eCampus, providing programs to students across the state, country, and world.

Northeast State Community College does not discriminate on the basis of race, color, religion, creed, ethnic or national origin, sex, disability, age status as a protected veteran or any other class protected by Federal or State laws and regulations and by Tennessee Board of Regents policies with respect to employment, programs, and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Linda W. Calvert, Vice President for Administration & Grant Development, AffAct@NortheastState.edu, P.O. Box 246, Blountville, TN 37617-0246, 423.323.0222.

Northeast State Community College's policy on nondiscrimination can be found at <https://apps.northeaststate.edu/ie/policymanual/pol.asp?p=254>.

Northeast State Community College is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award the associate degree. Northeast State also may offer credentials such as certificates and diplomas at approved degree levels. Questions about the accreditation of Northeast State Community College may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website ([www.sacscoc.org](http://www.sacscoc.org)).