

# AUTOMOTIVE TECHNOLOGY

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- Automotive Quick Service - Certificate of Completion (<https://lbcc-public.courseleaf.com/noncredit/programs-of-study/automotive-technology/automotive-quick-service-certificate-completion/>)
- Light-Duty Diesel Generator Engine Maintenance - Certificate of Completion (<https://lbcc-public.courseleaf.com/noncredit/programs-of-study/automotive-technology/light-duty-diesel-generator-engine-maintenance-certificate-completion/>)

## **AUTO 600 0 units**

### **Introduction to Automotive Technology**

**36 hours lecture, 54 hours laboratory**

Grading: non graded.

This course is an introductory course covering the principles of the operation of the modern automobile. This course will provide practical experience in maintenance and repair at the owner operator level. Consumer awareness is emphasized.

## **AUTO 601 0 units**

### **Automotive Lubrication Service**

**18 hours lecture, 18 hours laboratory**

Grading: non graded.

This course prepares students with skills needed for performing oil changes, lubrication, under hood services and vehicle inspections.

## **AUTO 602 0 units**

### **Automotive Tire Service**

**18 hours lecture, 18 hours laboratory**

Grading: non graded.

This course prepares students with skills needed for doing tires rotation, repair, replacement, balancing and vehicle inspections.

## **AUTO 603 0 units**

### **Automotive Brake Inspection**

**18 hours lecture, 18 hours laboratory**

Grading: non graded.

This course prepares students with the skills needed to do basic Service Brake Inspection, brake pads replacement, and vehicle inspection.

## **AUTO 651 0 units**

### **Diesel Generator Engine Fundamentals**

**36 hours lecture, 54 hours laboratory**

Recommended Preparation: AUTO 600.

Grading: non graded.

This course teaches students the fundamentals of diesel engine operation, service and repair of late model engines and related systems. It focuses on all makes and models of diesel generators engines with emphasis on using factory service manuals. It prepares students for entry level positions in the industry.

## **AUTO 652 0 units**

### **Diesel Engine Maint. & Troubleshooting**

**36 hours lecture, 54 hours laboratory**

Recommended Preparation: AUTO 600.

Grading: non graded.

This course teaches students the skills needed to diagnose, service and maintain late model portable and stationary generators. It focuses on all makes and models of diesel engines with emphasis on using factory service manuals. It prepares students for entry level positions in the industry.