Auto Mechanics

It’s time to jump-start your auto mechanics career! This course sets the stage with the fundamentals for success: safety procedures for using tools and diagnostic equipment, inspecting vehicles, and understanding how engines work. The course is designed to meet the requirements of NATEF, the National Automotive Technicians Education Foundation.

Career Profile

Anyone who drives a car appreciates an auto mechanic who can easily and confidently diagnose malfunctions, replace parts and keep cars running reliably. You may simply want to learn to repair your own vehicles or choose to work in one of these jobs:

- Department store service mechanic
- Auto parts specialist
- Emissions inspector
- Car test driver/mechanic
- Rental car fleet mechanic
- Specialty shop technician
- Accessories installer
- Electronics specialist

Employment Opportunities

With over 250,272,812 registered vehicles on the road in the U.S.A.,* demand for auto repair experts is high – and it's continuing to grow. According to the Bureau of Labor Statistics, about 124,800 new auto technician and mechanics jobs will be added by 2020.**

What You Need

An interest in what makes cars run. There are no prerequisites for this course.

What You Get

- Interactive online lessons with lab simulations and animation
- Tutorial assistance and open-book, online exams
- Convenient online student support
- Career search and time management guides
- Craftsman 15-piece wrench set
- Upon graduation we’ll send you a quality socket set valued at over $50

Course Outline

A total of 51 detailed lessons are included in ten key topic areas.

Introduction: Study Skills

MODULE A0 – FOUNDATION AND SAFETY

Lessons 1-2: Occupational Safety & Health
Lessons 3-8: Hand & Power Tools
Lessons 9-15: Workshop Equipment
Lesson 16: Vehicle Information
Lessons 17-20: Vehicle Configurations

MODULE A1 – ENGINE REPAIR

Lessons 21-28: Motive Power Types
Lessons 29-35: Engine Components
Lesson 36-43: Engine Rebuilding
Lesson 44-47: Engine Lubrication
Lessons 48-51: Engine Cooling

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* Bureau of Transportation Statistics, 2010
** Bureau of Labor Statistics, 2009