

## AUT – Automotive

### **AUT 102 Engine Repair** 1 - 9 - 4

This course is a basic study of the diagnostic procedures used to locate and repair internal engine malfunctions.

### **AUT 112 Braking Systems** 2 - 6 - 4

This course covers hydro-boost power brakes and vacuum power brakes as well as master cylinders and caliper rebuilding.

### **AUT 115 Manual Drive Train and Axle** 2 - 3 - 3

This course is a basic study of clutches, gearing, and manual transmission operation, including the basic study of rear axles and rear axle set up.

### **AUT 124 Steering, Suspension & Alignme** 2 - 6 - 4

This course is the study of the fundamentals of steering, suspension and alignment and includes inspection, diagnostics, maintenance and repair of systems.

### **AUT 131 Electrical Systems** 1 - 6 - 3

This course is a study of the individual systems and components that when combined form the entire automobile electrical system. The course includes starting and charging systems, ignition, engine, chassis, and accessory systems as well as instruction in the proper use of electrical schematics.

### **AUT 142 Heating and Air Conditioning** 2 - 3 - 3

This course covers the purpose, construction, operation, diagnosis, and repair of automotive ventilation, heating, and air conditioning systems.

### **AUT 146 Emission Systems** 2 - 3 - 3

This course is a study of the various emission systems currently in use with emphasis placed on the importance of proper system operations, the effects of improper operation on engine performance, and diagnostic equipment.

### **AUT 149 Ignition and Fuel Systems** 3 - 3 - 4

This course is a study of ignition system operation and how it relates to fuel systems for proper engine operation.

### **AUT 152 Automatic Transmission** 2 - 6 - 4

This course is a basic study of power flow and hydraulics, including torque converter operation.

### **AUT 156 Automotive Diagnosis & Repair** 2 - 6 - 4

This is a basic course for general diagnostic procedures and minor repairs.