

**AUTOMOTIVE TECHNOLOGY
HOOPA HIGH SCHOOL**

- 1. COURSE TITLE:** **Automotive Technology**

- 2. CBEDS TITLE:** **Automotive**

- 3. CBEDS NUMBER:** **5652**

- 4. JOB TITLES/DOT CODES:**

Automotive Mechanic	620.261 - 010
Alignment Mechanic	620.281 - 038
Brake Mechanic	620.281 - 026

- 5. COURSE DESCRIPTION:** **Automotive Service Technology provides the student with pre-apprenticeship skills in tune-up, brake system, electrical systems, lamp adjustments, lubrication service and parts management. The program will be conducted in an auto facility run as a production shop in conjunction with classroom presentations. All students will have instruction in shop operations and procedures. Students may concentrate on one or more certificates of competency in this shop environment.**

- 6. HOURS:** **180 - 360 hours**

- 7. PREREQUISITES:** **16 years of age or older**

- 8. DATE:** **November, 2002**

- 9. COURSE OUTLINE:**
 - A. ESSENTIAL EMPLOYABILITY SKILLS:**
 - a. Job Search Skills**
 - b. Resume Writing**
 - c. Interviewing**
 - d. Job Maintenance - how to keep your job**

 - B. CONTENT AREA SKILLS :**
 - 1. Introduction to auto shop operations**
 - A. Health and safety precautions**
 - B. Shop procedures and operations**

C. Automotive Terminology and Car Identification

D. Tool identification and care

E. Appropriate work habits and attitudes

1.1 Method of Evaluation

a. Tests and observations

1.2 Length

a. Six weeks

2. Small Engine

A. Repair

B. Troubleshooting

C. Use measuring tools

D. Complete rebuild

2.1 Method

a. Tests and observations

2.1 Length

b. Six Weeks

3. Auto Lubrication

A. Engine Service

B. Transmission Service

C. Wheel Bearing Service

D. Chassis Lubrication

E. Use of Charts and Manuals

3.1 Length

a. Three Weeks

4. Auto Brakes

A. Drum

B. Disc

C. Resurfacing drum and rotor

D. Master Cylinder and Wheel Cylinder repair

4.1 Length

a. Three Weeks

5. Auto Suspension

A. Shock and Strut

B. CV Joint and Axle

C. Spring and Bushing

5.1 Length

a. Three Weeks

6. Auto Engine

- A. Troubleshooting**
- B. Value Repair and Reface**
- C. Use Measuring Tools**
- D. Complete Rebuild**

6.1 Length

- a. Three Weeks**

7. Clutch

- A. Troubleshooting**
- B. Repair Manual and Slave Linkage**
- C. Flywheel Surface**
- D. R and R**

7.1 Length

- a. Three Weeks**

8. Transmission

- A. Service**
- B. Troubleshooting**
- C. Complete Rebuild**

8.1 Length

- a. Five Weeks**

