# SKILL CERTIFICATE IN AUTOMOTIVE ENGINE TECHNOLOGY

Students completing this certificate will acquire knowledge and skills required to perform engine rebuilding services at a machine shop facility. Upon program completion, it is expected that the student will develop employment entry level skills to perform basic machine shop services.

## Program Outcomes

- Practice safety in the repair and service associated with electrical, hydraulic and mechanical systems.
- Describe components and apply necessary skills for their respective approach to select the proper method to diagnose, test and repair automotive systems.
- Demonstrate proficiency in the use of automotive diagnostic equipment to evaluate system performance and determine needed repairs.

## Career Opportunities

Upon successful completion of this certificate, students will be prepared for employment in the following jobs: automotive engine block diagnosis, disassemble and repair or parts replacement and reassemble. Machining services include cylinder block cleaning, boring and honing. Cylinder machining includes surfacing of the cylinder head/s and grinding of the valves. This certificate is designed to meet national certification and training standards (NATEF) for Automotive Service Excellence (ASE) testing and certification category (A1).

## Program Requirements

| Code | Title | Units |
|---|---|---|
| REQUIRED CERTIFICATE COURSES | | |
| AUTO 130 | Introduction to Automotive Technology | 3 |
| AUTO 136 | Automotive Electrical Systems | 4 |
| AUTO 231 | Automotive Engine Systems | 4 |
| = | | |
| TOTAL | | 11 |

The Skill Certificate requirements include completion of the certificate courses with a “C” or better grade in each course. Required and support courses may be substituted with the approval of the Industry & Technology Division Chair.