

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
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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.