

# SKILL CERTIFICATE IN AUTOMOTIVE ENGINE TECHNOLOGY

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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 construction 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	Intro 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.