

# AUT 112 : BASIC ENGINE PERFORMANCE I

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## Transcript title

Basic Engine Performance I

## Credits

1

## Grading mode

Standard letter grades

## Total contact hours

20

## Other hours

20

## Prerequisites

AUT 101, AUT 106, AUT 107, AUT 110 and AUT 115.

## Course Description

Designed to study and apply the theory, operation, diagnoses and repair of the points-type ignition and carburetion systems as they were used in vehicles of the past.

## Course learning outcomes

1. Describe the theory and operation of the non-electronic automotive ignition systems.
2. Diagnose and repair problems related to non-electronic ignition systems.
3. Perform adjustments to automotive engines that use non-electronic ignition systems, such as distributor dwell and ignition timing.
4. Describe and practice safety procedures while working in an automotive shop environment.

## Content outline

1. Ignition system: parts and operation (primary circuit)
2. Dwell meter, revolutions per minute (RPM) meter, timing light, vacuum pump, distributor machine, ohmmeter
3. Ignition parts and operation
4. Ignition parts and operation: advance mechanisms
5. Ignition system: scope pattern

## Required materials

Requires special gear, see syllabus for details.