

# AMP 123: Reciprocating Engine Inspection

This course is a study of engine instruments, electrical systems, and ignition systems and aircraft powerplant inspections, as well as the study of rotary wing aircraft, rotary wing aerodynamics, main and tail rotor systems, rotor blades, primary and secondary controls, and general maintenance practices. Emphasis is placed on the theory of operation of these systems, analysis of system performance and faults, interpretations of instrument indications, and the performance of powerplant conformity and airworthiness inspections. Upon completion, students should be able to read and interpret instrument readings, analyze faults in instruments and electrical and ignition systems, and perform conformity and airworthiness inspections of reciprocating engines. This is a CORE course.

**Credits:** 5

**Lab Hours:** 6

**Lecture Hours:** 2

**Prerequisites:**

None

**Co-Requisites:**

None