

# ARS 276 : Instrumentation Attachments and Adhesive Bonding Procedures

This course covers the use and installation techniques of instruments such as thermocouples, temperature sensors, and strain gages on different types of aircraft and structures. Topics include bonding materials, soldering techniques, electrical testing of temperature sensors and strain gages, mixing and applying adhesives for pressure, the effects of corrosion and weather, fuel tank sealing, adhesive selection, and safety.

**Credits** 3

**Theory Credit**

2

**Experimental Laboratory Credit**

2

**Prerequisites**

ARS 176 or 178