

Aviation Mechanical Assembly Technician-NAC – The CertTEC® (This certification is only accessible through attendance in a National Center for Aviation Training (NCAT) course at one of five locations nationwide – Wichita, KS; Indianapolis, IN; Tulsa, OK; Greenville, NC or Seattle, WA) The Aviation Mechanical Assembly Technician exam is in three parts and consists of an 80 question computer-based written exam, followed by an oral and practical evaluation of an individual's technical knowledge and skills. The examination focuses on basic Aviation Mechanical Assembly fundamentals in the following topic/subtopic areas:

- Introduction to Aviation
 - Aviation History
 - Aircraft Assemblies and Configuration
 - Aircraft Flight and Control
 - Aircraft Construction and Materials
 - Corrosion
 - Federal Aviation Regulations and Documentation
 - Production Order and Installation Plan
 - Engineering Processes and Information Sharing
- Blueprint Reading
 - Introduction to Blueprints
 - Blueprint Terminology
 - Blueprint Views, Lines, and Symbols
 - Dimensions and Tolerance
- Precision Instruments
 - Basic Concepts and Term for Precision Instruments
 - Precision Rules
 - Calipers
 - Micrometers
 - Gauges
- Power Island and Tools
 - Introduction to Power Island
 - Power Island Equipment
 - Torque Tools
 - Drills
- Fasteners and Installation Inspection

- Nutplates
- Rivets
- Bolts
- Temporary Fasteners
- Hi-Lok Fasteners
- Lockbolt Fasteners
- Lockwire
- Installation Inspection
- Drilling and Riveting
 - Marking Fastener Location
 - Drilling
 - Deburring
 - Driving Protruding Head Rivets
 - Countersinking
 - Squeeze Riveting
 - Drilling Composite and Titanium Materials
- Sealant Application and Safety
 - Sealing Principles and Functions
 - Chemical Hazards and PPE
 - Surface Preparation
 - Sealant Types
 - Sealant Application
- Electrical Bonding and Grounding
 - Aircraft Electricity
 - Measurements and Unit Conversion
 - Resistance Test Equip Insp
 - Multimeters and Ohmmeters