

***Aerospace Manufacturing Certification - The SpaceTEC® Aerospace Manufacturing exam is a concentration that is offered once the candidate completes the SpaceTEC® Core Certified Aerospace Technician examination. The Aerospace Manufacturing exam is a three-part exam consisting of a computer-based written exam, followed by an oral and practical evaluation of an individual's technical knowledge and skills. The topics/subtopics follow:***

- Aerospace Manufacturing Essentials (this is covered in all)
  - Geometric Dimensioning and Tolerancing
  - Manufacturing Materials and Processes
  - Manufacturing Print Reading and Drafting
  - Process Control and Quality Assurance in Manufact
  - Quality Control Insp Measurement and Test Equip
  - Safety in Manufacturing
- CNC Machining and Fabrication Processes
  - CNC Controller Operations
  - CNC Machining Operations
- Manual Machining and Fabrication Processes
  - CNC Brake Press Operations
  - CNC Machining Operations
  - Manual Lathe Machining Operations
  - Manual Milling Machining Operations
  - Process Fundamentals
- Structures and Assembly Processes
  - Electrical and Electronic Assembly
  - Mechanical Assembly
  - Structural Surface Preparation
- Welding and Cutting Processes
  - Gas Metal Arc Welding and Flux Cored Arc Welding
  - Gas Tungsten Arc Welding and Plasma Arc Welding
  - Orbital Tube Welding
  - Welding and Cutting Process Fundamentals