

SPIRIT AEROSYSTEMS COMPOSITE CENTER OF EXCELLENCE



Spirit AeroSystems Composite Center of Excellence is a 33,000 square-foot training center designed to serve the growing aerospace industry in Eastern North Carolina. The centerpiece of the facility is a 2,950 square-foot composites training lab, operated by Lenoir Community College to support pathways for careers such as aerospace assembly technicians, composite mechanics, logistics and material handling, manufacturing process support, quality assurance, automated machine operators and programmers, and other support positions.

COMPOSITE TRAINING LAB CAPABILITIES:

- Provide customized training to aerospace, marine and wind energy organizations
- Fabricate composite parts (for training purposes only)
- Composite lay-up; pre-preg and wet lay-up
- Trimming and drilling composite parts
- Assembly including sealant and aviation fastener installation
- Metal forming
- Metal bonding



- **Blueprint reading**
- **Autoclave Operator Training** using a state-of-the-art 3'x5' autoclave
- **Manufacturer's certification/qualification training**
- **Aircraft fastener identification, installation, and removal techniques**
- **OSHA safety training and certifications**
- **Shop math and metrics**
- **Composite repair – basic and advanced**
- **Initial aviation sheet metal training if required.**



FACILITY DESCRIPTIONS:

Room 130 & 108

Small, formal conference rooms with seating for 12 and 16 respectively.

Room 142

Theater-style classroom with seating for 60. Includes large presentation screen, podium with built-in audio-visual systems.

Classrooms 151 and 152 Each classroom has a 25-seat capacity. Ideal for seated classroom training, informal meetings.

Composite Training Labs

Upfit for beginning or advanced training in composite layup, fabrication, and tooling. Training programs designed/provided by Lenoir Community College based on each company's specific needs.

CONTACT

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