

Advanced Composite Damage Repair-Phase 3

5 DAY COURSE

COMPOSITES

Abaris Training Resources, in cooperation with FlightSafety International is pleased to offer a wide variety of Composite Training Options for today's Aircraft Maintenance Technicians. These programs include: Engineering / Design, Manufacturing, and Repair classes to meet your composites education requirements.

This course is mostly hands-on with some supporting lecture. It is designed to enhance the student's skills in conducting large area, engineered repairs.

The course contains a balance of theory and practical application, with a great deal of time spent in the lab fabricating repair tooling and performing complex, multi-step composite repairs on structural parts.

Note: Due to the complexity of the repairs and the advanced skills that are required, this course is only being offered to students that have either graduated from our Phase 2 repair course or have comparable industry experience.

THEORY COURSE MODULES

- Advanced damage determination, assessment, and repair techniques for large damage area
- Developing and implementing a repair plan
- Identification of repair tooling options
- Recreating surface geometry using custom-fabricated repair tooling
- Repair material and processing options
- Introduction to alternate heat sources
- Fastener removal tools/techniques and replacement methods

PRACTICAL COURSE MODULES

- Fabrication of composite repair tooling
- Application of tool sealer and release agent
- Assessment of damage – ply determination
- Repair plan development and implementation
- Damage removal IAW plan
- Taper-scarf preparation for repairs
- Multi-stage repair of large-area damage on a complex-contoured composite part
- Curing repairs with various hot bonders and alternate heat sources
- Troubleshooting alarms and other variables
- Post-repair evaluation and inspection

Total Days 5.0

APPROVALS AND LIMITATIONS

FAA IA renewal Accepted

Accredited for IA refresher training under Title 14 CFR part 65, § 65.93(a)(4)

FOR MORE INFORMATION, CONTACT: +1 201.528.0170 or sales@flightsafety.com

Internal Use Only:
304243

TRAINING LOCATIONS

Wichita, Kansas