Composite Manufacturing Technology (CMfgT) Course

Start Date: July 5, 2016
Course Length: 8 weeks
Lab Dates: August 30-31, 2016

If you want to:

- Develop knowledge in composite materials, current manufacturing processes, and related structural details for certified aircraft products
- Understand regulatory requirements and related safety issues considered in the certification of manufacturing processes for composite structures

This class is for YOU!

“This course met and exceeded my feelings (of the CMfgT course) and met the objectives. This course was very well organized in terms of subject matter.”

Tausef Butt, Former CMfgT Student
Composite Manufacturing Technology (CMfgT)

Introduction to Online Composite Technology & Engineering Courses
These courses were developed through the collaboration of Wichita State University, industry subject matter experts, and the Federal Aviation Administration. The courses are taught online, include all teaching materials, and feature real-world discussions facilitated by subject matter experts and observed by FAA representatives. Depending on prior knowledge and experience, students will spend up to ten hours per week reviewing materials, participating in online discussions and testing their knowledge. A 2-day hands-on lab is provided in Wichita, Kansas.

Composite Manufacturing Technology (CMfgT) Course Description
CMfgT provides manufacturing professionals with a technical background in the manufacturing of composites. Students examine each of the fundamental processes of composite manufacturing, and where individual processes fit within the overall fabrication scheme. At the end of this course, students will be able to identify issues and potential deficiencies on the factory floor that may impact the safety of composites used in aerospace structures.

Course Objectives
- Students will develop knowledge in composite materials, current manufacturing processes and related structural details for certified aircraft products.
- Students will understand regulatory requirements and related safety issues considered in the certification of manufacturing processes for composite structures.

Who Should Attend?
All professionals responsible for any aspect of composite manufacturing, including, for example, facility oversight and quality system development and approval. Students benefitting from this course include FAA inspectors, FAA designees, and other industry professionals.

Course Topics include:
- Composite factory workflow
- Materials manufacturing
- Transport, incoming QC and storage
- Tool prep, cutting, layup and bagging
- Cure, consolidation
- Drilling, machining
- Inspection
- Bonding and assembly
- Paint and finish
- Handling and storage
- Common manufacturing issues

The discussion boards provide some perspective into what the auditor is looking for on their audit.

Toan Dinh, Former CMfgT Student
(CMfgT) Continued...

Start Date: Tuesday, July 5, 2016

Duration: 9 weeks

Lab Dates & Times: August 30-31, 2016, 8 am – 5 pm each day
Lab Location: National Center for Aviation Training (NCAT)
4004 N Webb Rd.
Wichita, KS 67226
(Parking is free. No permit is needed.)

Fees & Registration: Tuition is $2,000.00 per person and includes both the online and hands-on laboratory regardless of whether an individual chooses to attend the optional laboratory. Registration is limited and will be accepted on a first-come, first-serve basis. Course materials and lunch during lab days are included with tuition. You may register and pay online at http://webs.wichita.edu/?u=conferences&p=/cmfgt/.

Registration Deadline: Monday, June 27, 2016

Cancellations and Refunds: All cancellations must be made in writing. A 15% administrative fee will be assessed on all cancellations (this includes purchase orders). There will be no refunds after Monday, June 27, 2016. WSU reserves the right to cancel the program due to lack of enrollment. In that event, WSU will refund any pre-paid course fees, but will not be responsible for any incidental or consequential damages.