

FLORIDA COMMUNITY COLLEGE JACKSONVILLE
Aviation Center of Excellence
40 Contact Hours

DAY 1

1. Introduction to Course, Projects & Books
2. Lesson 1 – Introduction to Composites
Lesson 2 – Reinforcing Fibers
Lesson 3 – Matrix Materials
Lesson 4 – Core Materials
Lesson 5 – Types of Structures
Lesson 6 – Safety
Lesson 7 – Applying Pressure
Lesson 8 – Methods of Curing
3. Shop Safety Quiz

DAY 2

1. Project Explanation
2. Lab – Student Group 1 does lay up projects, Group 2 helps vacuum and cure.
3. (While Projects Cure)
Lesson 9 – History
Lesson 10 – Uses
Lesson 11 – Manufacturing Methods

DAY 3

1. Lab – Student Group 2 does lay up projects, Group 1 helps vacuum and cure.
2. (While Projects Cure)
Lesson 12 – Machining
Lesson 13 – Damage Assessment
Lesson 14 – Repair
Lesson 15 – Types of Repairs

DAY 4

1. Lab – All Projects are to be routed and sanded.
Group 1 does lay up of second project. Group 2 programs controller and drills projects.

DAY 5

1. Lab – Finish Group 2 projects, cure repairs.
Group 1 programs controller and drills projects.
Trim all projects.
2. Videos and review
3. Final Exam
4. Review Final Exam