



AMT 0047 Applying the Design Process

Course Description: In this course, the student will learn to create aircraft drawings, blueprints, charts and graphs; test equipment, including non-destructive inspection and testing; and determine best practices with respect to sealants and epoxies. (53 Clock Hours)

Course Competency	Learning Outcomes
<p>Competency 1: The student will demonstrate knowledge of aircraft drawings, prints and engineering documents by:</p>	<ul style="list-style-type: none"> • Communication • Numbers / Data • Critical thinking • Information Literacy
<ol style="list-style-type: none"> 1. Identifying drawing types. 2. Showing various forms of illustration methods. 3. Creating and illustrating drawing practices. 	
<p>Competency 2: The student will demonstrate knowledge of test equipment, including Non-Destructive Inspection and Testing by:</p>	
<ol style="list-style-type: none"> 1. Defining the common inspection & test techniques. 2. Identifying the typical test equipment used to perform actual tests. 3. Performing actual tests and interpreting results. 	
<p>Competency 3: The student will demonstrate a knowledge of good practices with respect to Sealants & Epoxies by:</p>	
<ol style="list-style-type: none"> 1. Identifying the proper applications of certain Sealants & Epoxy materials. 2. Demonstrating the proper storage and handling of materials. 3. Identifying the proper disposal of materials. 4. Performing actual applications in a safe manner. 	

