## 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)

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<th>Course Competency</th>
<th>Learning Outcomes</th>
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| **Competency 1:** The student will demonstrate knowledge of aircraft drawings, prints and engineering documents by: | • Communication  
• Numbers / Data  
• Critical thinking  
• Information Literacy |
| 1. Identifying drawing types.  
2. Showing various forms of illustration methods.  
3. Creating and illustrating drawing practices. |                                                        |
| **Competency 2:** The student will demonstrate knowledge of test equipment, including Non-Destructive Inspection and Testing by: |                                                        |
| 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. |                                                        |
| **Competency 3:** The student will demonstrate a knowledge of good practices with respect to Sealants & Epoxies by: |                                                        |
| 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. |                                                        |