A&P Written, Oral and Practical Exam Guaranteed Preparation Course
1-Week (7 Days)
Written, Oral and Practical Exam Preparation
(PLUS On-Line / Internet Based & In-Class Written Exam Preparation)
One Price with No Hidden Fees
(see web site for pricing)
(Includes a Set of 3 ASA Q&A Books and AMT Study Material)

AMT Students registered for the 1-Week
A&P Exam Preparation Courses will receive a
FREE retake of the Oral & Practical Exam (within 60 days) with an AMT DME

Course Schedule 1 Week
PLUS On-Line & In-Class Preparation
(Course begins on the first Monday of every month)
• Monday through Friday 5:00 P.M. until 10:00 P.M.
• Saturday 9:00 A.M. until 6:00 P.M.
• Sunday 9:00 A.M. until 6:00 P.M.

EDUCATION IS THE KEY TO SUCCESS
Aviation Maintenance Training School (AMT School)
www.amtmiami.com
www.amtschool.com
Miami International Airport and Kendall Tamiami Airport
Robert E. Morales, School Director
Telephone: (305) 871-1233 & 439-4666 FAX: (305) 871-1232
information@amtmiami.com
information@amtschool.com
AMT SCHOOL guarantees that if you fail your Airframe & Powerplant Written, Oral & Practical Exams after completing the one week guaranteed course, AMT School will give you additional instruction for up to two years at no extra cost until you pass you’re A&P Exams.

This course entitles the student to one FREE retake prior to 60 days.

**COURSE AGENDA**
**GENERAL / SECTION I - AMG**

Class Introduction

I. Basic Electricity
   Troubleshooting, multimeters.
   CORE COMPETENCY / Level 3
   Monday

A. Basic Electricity
   Determine measurements.
   CORE COMPETENCY / Level 2
   Monday

B. Drawing
   Symbols, sketches, schematics
   blueprints, graphs and charts.
   Monday

C. Weight & Balance
   Weight & Balance problems, understanding
   and application of ballast, tare,
   center of gravity.
   CORE COMPETENCY / Level 3
   Monday

D. Fluid Lines & Fittings
   Construct a rigid line, and a
   flexible line. Identify fittings.
   CORE COMPETENCY / Level 3
   Monday

E. Materials & Processes
   Torque, Safety Wire, DNT,
   ID hardware, heat treatments,
   precision measurements.
   CORE COMPETENCY / Level 3
   Tuesday

F. Ground Operations
   Start up procedures, identify fuel
   select fuels, markings.
   Tuesday

G. Cleaning & Corrosion
   Identify corrosion, cleaning materials.
   CORE / COMPETENCY Level 3
   Tuesday

H. Mathematics
   Review of various mathematics problems
   Decimals, percentages, volume etc.
   Tuesday
COURSE AGENDA
GENERAL / SECTION I – AMG / CONTINUED

I. Maintenance Forms & Records
   Complete aircraft records, logbooks, Form 337, inspection reports.
   CORE COMPETENCY / Level 3

J. Basic Physics
   Simple machines, aerodymanics, flight theory.

K. Maintenance Publications
   Maintenance Manual, IPC, AD’s, FAR’s TCDS, AC.
   CORE COMPETENCY / Level 3

L. Aviation Mechanic’s
   Privileges and Limitations
   Understanding of mechanic privileges and limitations per the FAA, FAR.

COURSE AGENDA
AIRFRAME / SECTION II - AMA

A. Wood Structures
   Knowledge of types and inspection of wood structures.

B. Aircraft Covering
   Knowledge of inspection, testing and Repair of coverings.

C. Aircraft Finishes
   Knowledge of finishes, identification, finishing materials.

D. Sheetmetal
   Selection and installation of fasteners, layout, composites, acrylic windows.
   CORE COMPETENCY / Level 3

E. Welding
   Knowledge of welding methods and steps

F. Assembly & Rigging
   Balancing, rigging, cable tension rigging tools.
   CORE COMPETENCY / Level-3

G. Airframe Inspection
   Inspect aircraft and make thorough and correct logbook entries.
   CORE COMPETENCY / Level 3
<table>
<thead>
<tr>
<th>Subject</th>
<th>Day</th>
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<tbody>
<tr>
<td>K. Aircraft Landing Gear Systems</td>
<td>Thursday</td>
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<tr>
<td>Inspect, check, service landing gear systems.</td>
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<tr>
<td>CORE COMPETENCY / Level 3</td>
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<tr>
<td>L. Hydraulic &amp; Pneumatic Systems</td>
<td>Thursday</td>
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<tr>
<td>Select &amp; install a hydraulic seal.</td>
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<tr>
<td>CORE COMPETENCY / Level 3</td>
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<tr>
<td>M. Cabin Atmosphere</td>
<td>Thursday</td>
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<tr>
<td>Air conditioning, heating, oxygen, pressurization systems.</td>
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<tr>
<td>N. Aircraft Instruments</td>
<td>Thursday</td>
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<tr>
<td>Pitot static, gyros, compass, markings, fuel instruments, markings.</td>
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<tr>
<td>O. Communication and Navigation</td>
<td>Thursday</td>
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<tr>
<td>Transponders, ELTs, autopilot, VHF, VOR, ILS, DME, Antennas.</td>
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<tr>
<td>P. Aircraft Fuel Systems</td>
<td>Thursday</td>
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<tr>
<td>Fuel system types, inspections and repairs, associated components.</td>
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<td>CORE COMPETENCY / Level 3</td>
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<tr>
<td>Q. Electrical Systems</td>
<td>Thursday</td>
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<tr>
<td>Troubleshooting, connectors, switches, circuit breakers, AC, DC components generators, IDG’s.</td>
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<td>CORE COMPETENCY / Level 3</td>
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<tr>
<td>R. Position and Warning</td>
<td>Friday</td>
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<tr>
<td>Configuration warning systems, antiskid, components and locations.</td>
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<tr>
<td>S. Ice and Rain Protection</td>
<td>Friday</td>
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<tr>
<td>Anti-ice and de-ice, inspection rubber boots, Prist.</td>
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<tr>
<td>T. Fire Protection</td>
<td>Friday</td>
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<tr>
<td>Smoke and carbon monoxide, fire detention, fire extinguishing systems.</td>
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</tbody>
</table>
A. Reciprocating Engines
    Friday
    Recip theory, operation, components, materials, types.

B. Turbine Engines
    Friday
    Turbine theory, operation, components, materials, types.

C. Engine Inspection
    Friday
    Inspection of recip and turbine engines, 100 Hr, Annuals, Phaze checks, FAR’s.
    CORE COMPETENCY / Level 3

H. Engine Instrument Systems
    Saturday
    Engine temperature, pressure, RPM, rate of flow instruments.
    CORE COMPETENCY / Level 3

I. Engine Fire Protection
    Saturday
    Types of fire protection and extinguishing systems, operation, insp.

J. Engine Electrical
    Saturday
    Install, check and service engine electrical wiring, controls, switches, indicators, and protective devices.

K. Lubrication Systems
    Saturday
    Identify lubricants and systems, inspect, check, service, troubleshoot.

L. Ignition and Starting Systems
    Saturday
    Check engine timing, magneto switch, inspect a turbine engine system, starter generator, magneto points.
    CORE COMPETENCY / Level 3

M. Engine Fuel Metering Systems
    Saturday
    Identify and inspect metering systems, carburetors, injection systems, fuel controls.

N. Engine Fuel System
    Saturday
    Inspect a fuel selector valve, fuel filter, repair to the fuel system.
    CORE COMPETENCY / Level 3
**COURSE AGENDA**

**POWERPLANT / SECTION IV - AMP**

O. Induction Systems  
**Saturday**  
Inspect and identify engine ice control system and induction manifold system.  
CORE COMPETENCY / Level 3

P. Engine Cooling Systems  
**Saturday**  
Inspect and identify cooling system components.

Q. Exhaust Systems  
**Saturday**  
Inspect and identify an exhaust system and a turbocharger system.  
CORE COMPETENCY / Level 3

R. Propellers  
**Saturday**  
Inspect a propeller and propeller governor. Perform a minor repair and on a propeller.  
CORE COMPETENCY / Level 3  
Use TCDS & determine minor propeller alterations that are acceptable  
CORE COMPETENCY / Level 2

S. Turbine Powered APU  
**Saturday**  
Identify and understand an APU.

**Sunday / Aircraft and Hangar projects:**  
Examples:  
- Piston engines, Magnetos timing / internal and engine timing, Propellers, Governors, Carburetor, Sheetmetal, Electrical troubleshooting, Aircraft inspection, Aircraft component identification, Engine component identification,

**WEEKS TWO TO FOUR / A&P EXAM PREPARATION COURSE**  
- This portion of the class may be done ON-LINE prior to arrival at AMT School / saving time away from work / family and saving money on travel expenses such as hotel, food etc.

**Week 2:** CBT Written Exam Review for General FAA General Exams

**Week 3:** CBT Written Exam Review for Airframe FAA Airframe Exams

**Week 4:** CBT Written Exam Review for Powerplant FAA Powerplant Exams

6  
September 2, 2011
The FAA requires that all practical tests be conducted in accordance with the appropriate Aviation Mechanic Practical Test Standards and the policies and procedures set forth in the current FAA Order.

Proficiency levels are defined as:

**Level I**
Knowledge of general principles, but no practical application. No development of manipulative skills. Instruction by lecture, demonstration, and discussion.

**Level II**
Knowledge of general principles and limited practical application. Development of sufficient manipulative skills to perform basic operations. Instruction by lecture, demonstration, discussion, and limited practical application.

**Level III**
Knowledge of general principles and performance to a high degree of practical application. Development of sufficient manipulative skills to accomplish simulated return to service. Instruction by lecture, demonstration, discussion, and a high degree of practical application.

The following terms are used in the objectives and defined as:

"Inspect" Means to examine by sight and touch.
"Check" Means to verify proper operation.
"Troubleshoot" Means to analyze and identify malfunctions.
"Service" Means to perform functions that assure continued operation.
"Repair" Means to correct a defective condition or repair of an airframe and/or powerplant system, including component replacement and adjustment, but not component repair.
"Overhaul" Means to disassemble, inspect, repair as necessary, and check.

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