



Aviation Maintenance
Training School

www.amtschool.com

www.amtmiami.com

**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

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Miami International Airport and Kendall Tamiami Airport

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A&P EXAM GUARANTEE PREPARATION COURSE / 1-WEEK

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

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|--|---------|
| 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

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|---|---------|
| I. Maintenance Forms & Records
Complete aircraft records, logbooks,
Form 337, inspection reports.
CORE COMPETENCY / Level 3 | Tuesday |
| J. Basic Physics
Simple machines, aerodynamics,
flight theory. | Tuesday |
| K. Maintenance Publications
Maintenance Manual, IPC, AD's,
FAR's TCDS, AC.
CORE COMPETENCY / Level 3 | Tuesday |
| L. Aviation Mechanic's
Privileges and Limitations
Understanding of mechanic privileges
and limitations per the FAA, FAR. | Tuesday |

COURSE AGENDA
AIRFRAME / SECTION II - AMA

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|---|-----------|
| A. Wood Structures
Knowledge of types and inspection
of wood structures. | Wednesday |
| B. Aircraft Covering
Knowledge of inspection, testing and
Repair of coverings. | Wednesday |
| C. Aircraft Finishes
Knowledge of finishes, identification,
finishing materials. | Wednesday |
| D. Sheetmetal
Selection and installation of fasteners,
layout, composites, acrylic windows.
CORE COMPETENCY / Level 3 | Wednesday |
| E. Welding
Knowledge of welding methods and steps | Wednesday |
| F. Assembly & Rigging
Balancing, rigging, cable tension
rigging tools.
CORE COMPETENCY / Level-3 | Wednesday |
| G. Airframe Inspection
Inspect aircraft and make thorough
and correct logbook entries.
CORE COMPETENCY / Level 3 | Wednesday |

COURSE AGENDA
AIRFRAME / SECTION III - AMA / CONTINUED

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

COURSE AGENDA
POWERPLANT / SECTION IV - AMP

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|---|--------|
| A. Reciprocating Engines
Recip theory, operation, components,
materials, types. | Friday |
| B. Turbine Engines
Turbine theory, operation, components,
materials, types. | Friday |
| C. Engine Inspection
Inspection of recip and turbine engines,
100 Hr, Annuals, Phaze checks, FAR's.
CORE COMPETENCY / Level 3 | Friday |

COURSE AGENDA
POWERPLANT / SECTION IV - AMP

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| H. Engine Instrument Systems
Engine temperature, pressure, RPM,
rate of flow instruments.
CORE COMPETENCY / Level 3 | Saturday |
| I. Engine Fire Protection
Types of fire protection and
extinguishing systems, operation, insp. | Saturday |
| J. Engine Electrical
Install, check and service engine
electrical wiring, controls, switches,
indicators, and protective devices. | Saturday |
| K. Lubrication Systems
Identify lubricants and systems, inspect,
check, service, troubleshoot. | Saturday |
| L. Ignition and Starting Systems
Check engine timing, magneto switch,
inspect a turbine engine system, starter
generator, magneto points.
CORE COMPETENCY / Level 3 | Saturday |
| M. Engine Fuel Metering Systems
Identify and inspect metering systems,
carburetors, injection systems,
fuel controls. | Saturday |
| N. Engine Fuel System
Inspect a fuel selector valve,
fuel filter, repair to the fuel system.
CORE COMPETENCY / Level 3 | Saturday |

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: Sunday

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

A&P EXAM GUARANTEED PREPARATION COURSE

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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