



U.S. Department  
of Transportation  
Federal Aviation  
Administration

# Aviation Safety Program

In cooperation with

## Memphis Flight Standards

SO252540

### PAN AM International Flight Academy

8150 T and B Boulevard  
Memphis, TN 38125

## PROGRAM

### Advanced Aircraft Systems Series

Presented by: Pan Am International Flight Academy

7:00 to 9:00 PM

*If you want to know more about the airplanes you fly and those you hope to fly in the future - this series is for you! Presented jointly by operations and maintenance instructors, each session will focus on pilot use as well as understanding of each system.*

#### Thursday Sept. 9, 2004 - Turbine Engines

Turbojet; centrifugal and axial flow, bypass and high bypass Turboprop; direct drive and free spool.  
A look at different types of engines and how they work.

#### Thursday Sept. 30, 2004 - Hydraulic Systems

Aircraft hydraulic systems – what they control, how they work and basic operational procedures.

#### Thursday Oct. 21, 2004 - Electrical Systems

Learn how the electrical system is organized and how power is generated and used as well as pilot operation of the system, emergency procedures and troubleshooting.

#### Thursday Nov. 11, 2004 - Pneumatics / Pressurization / Air Conditioning

Learn the how and why of these systems as well as pilot control and proper use of each.

#### FREE ADMISSION - Door Prizes & Refreshments Provided

**Important Notice:** Your attendance at this Safety Seminar fulfills one of the requirements towards the Pilot Proficiency Awards Program (WINGS) as outlined in Advisory Circular 61.91H.

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**For information on Safety Seminars and events see: [faasafety.gov](http://faasafety.gov) or [www.faa.gov/fsdo/mem](http://www.faa.gov/fsdo/mem)**