Daher TBM 940 Initial Training

Course MAS TBM94-101 Syllabus

The student must possess at a minimum a US FAA private pilot license, an instrument rating, a current medical, a high-altitude endorsement, and a current BFR. Students should be instrument current but an IPC is available for a negotiated fee.

Day 1

Class Introduction — 0.5 Hours

- Instructor & Student Introductions, Class description, expectations, and questions specific to the student's mission

Introduction & Engines — 2.5 Hours

- Construction, Interior, Passenger Compartment, Ground Handling, Engines, Engine Operation & Instruments, Servicing, Fuel System, Propeller.

Limitations — 0.5 Hours

- V-Speeds, Engine Operational Limitations, Markings, CG and Weight Limitations

Landing Gear & Brakes — 1.5 Hours

- Nose Gear & Main Gear Description, Operation, Emergency Extension, Brakes, Indicators.

Electrical System — 1.5 Hours

- Battery, Alternator, Power Distribution, Main Bus, Hot Bus, Avionics Bus, Operation, Protection Systems, Lighting, Electrical Anti-Ice

Simulator - Normal Procedures — 2.0 Hours

- Using our flight simulator, the student will be taken through normal procedures associated with takeoff, cruise, and landing.

Day 2

Environmental Systems — 2.5 Hours

- Ambient Air Distribution, Heater & Air Conditioning System, Oxygen System Operation, Pressurization System Description & Operation and Controls

Fuel Systems — 1.5 Hours

- Description, Capacity, Operation, Usage, and Malfunctions

Anti-Ice / Deice Systems 2.0 Hours

- Known Icing Requirements, System Components & Description, System Testing, Inspection, Limitations

Performance & Flight Planning 2.0 Hours

- CG, CG Limits, Weight & Balance, Performance Charts, Range, Examples, Classroom Examples

Day 3

Emergency Procedures 3.0 Hours

- Safe Operation Envelope, Various Engine and System Failures, Feathering, Restarting, Electrical Failures, Pressurization Failures, Emergency Decent

Simulated Emergency Procedures 4.5 Hours

- A mix of simulator based and customer provided aircraft scenarios incorporating engine failures, electrical failures, pressurization failures, during takeoff, cruise, and landing.

Day 4

Federal Aviation Regulations 1.0 Hours

- A review of new/updated FARs

Student Ship Specific Weight and Balance 1.0 Hours

- W&B examples that take into account ship specific configuration and missions

Emergency Procedures Review 1.5 Hours

- Specific Review of TBM emergency procedures and operation

Course Review 2.5 Hours

- A review of all non-emergency elements of the TBM course

Final Exam 1.0 Hours

- Written Exam

Day 5

Flight Review 8.0 Hours

- Optional In-Flight operational review using customer supplied aircraft (an additional negotiated fee applies) Takeoff, Cruise Ops, & Landing