

INTERMEDIATE AVIONICS

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Our ATA Level III Intermediate avionics concentrates on systems that interface with both analog and digital equipment. After a brief review of the Basic Avionics we include safety systems such as Terrain Awareness and Warning Systems (TAWS), Traffic Collision Avoidance Systems (TCAS), Automatic Dependent Surveillance-Broadcast (ADS-B). In Addition, other systems covered include Satellite Communication SATCOM, Head Up Display/Enhanced Vision Systems (HUD/EVS) and DAFCS (SPZ 8000, PRIMUS and PROLINE-4).

The instructor uses "LOGIC FLOW DIAGRAMS" to simplify trouble shooting every system.



CURRICULUM (40 hours)

SUBJECT (ATA)	HOURS
Introduction / EICAS review (ATA 31)	4
Abbreviations	
Flight & Navigation Instruments review	4
Com. Syst. review, SATCOM (ATA 23)	4
Traffic Collision Avoidance System	
TCAS/ACAS (ATA 34)	6
Terrain Avoidance Warning System	
TAWS/EGPWS (ATA 34)	4
Head Up Display HUDS (ATA 34)	4
Central Maintenance Computer /	
Maint. Diagnostic Comp. (ATA 45)	4
AFCS review, SPZ 8000, PRIMUS,	
PROLINE-4 T/S (ATA 22)	6
Course Review / Examination	4

TOTAL 40

OTHER AVAILABLE COURSES:

- Basic Avionics
- Advanced Avionics
- Practical Aircraft Wiring
- FAR 91.411 / 91.413 RVSM
- Aircraft Specific Avionics

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