CARIBBEAN AVIATION
Training Institute, Inc.

PRONTUARIO AVIONICS

CODE	COURSE NAME	THEORY	LAB	REFERENCE	DESCRIPTION
AVON 101	Safety & Human Factors / Soldering	x	x	FAA-H-8083-30 Ch. 14	Course on Safety and Human factors as applied to aviation
	Technical English for Aviation	x		FAA-H-8083-30	Language spoken in aviation
	Avionics Fundamentals	x	x	Adv. Avionics Handbook	Introduction to avionics, including mechanical and elect. Inst
	Mathematics for Electronics	x		FAA-H-8083-30 Ch. 1	Mathematics used in electronics, reference used in aviation
	DC Theory Circuits & Laboratory	x	x	FAA-H-8083-30 Ch. 10	DC Generation making reference to aviation application
	AC Theory Circuits & Laboratory	x	x	FAA-H-8083-30 Ch. 10	AC Generation by turbine generators, referencing to aviation
	Solid State Devices	x	x	FAA-H-8083-30 Ch. 10	Introduction and Laboratory on solid state devises used in aviation
	Digital Circuits	x	x	Adv. Avionics Handbook	Digital circuits used in aviation. Schematic interpretation
AVON 102	Aircraft Electrical Systems	x	x	FAA-H-8083-30 Ch. 10	Power generated and used by aircrafts, 28VDC 115VAC 3P
	Electronic Flight Instruments Systems	x	x	Avionics Training	Transition from mechanical instruments to EFIS
	Power Plants and Instrument	x		FAA-H-8083-30 Ch. 10	Types of engines used on acft. and their measuring instrum.
	Aircraft Communication Systems	x		Avionics Training Ch. 5	Types of radios, voice and digital, and its satellites
	Aircraft Navigation Systems	x		Avionics Training	VOR's, ADF, GPS, SATCOM, INMARSAT, TCAS, SQUITTER
	Pitot and Static Systems	x	x	Avionics Training	Check and Calibration using Barfield Ser 11 instruments
	Pitot and Static Laboratory	x	x	Barfield Instructions	Practice on real Static and Pitot checks on airplanes
AVON 104	Aviation Schematics & Drawings	x		FAA-H-8083-30 Ch. 2	Schematics and Drawing interpretation and readings
	Transponder & Laboratory, TCAS	x	x	Avionics Training	Aeroflex AT-600A Transponder checks and calibration Lab
	Federal Aviation Regulations & Forms	x		FAA-H-8083-30 Ch. 8	FAR's Interpretation and forms filling applied to calibration
	Aircraft Computers, DO-178	x		DO-178 Manual	Aircraft computers purposes and locations
	Aircraft Comm Antennas	x	x	Avionics Training	Types of antennas, laboratory work on creating antennas
	Aircraft Harnesses	x	x	Avionics Training Ch.23	Acft harnesses and ARINC reqs for aircraft amphenol conn
	Harness Laboratory	x	x	Avionics Training Ch.23	Lab creation of harness, with Daniels tools, Coax, Dsubs
	Aircraft Control Systems	x		FAA-H-8083-30	Mechanical and Electronic control systems on aircrafts
	Global Positioning System	x	x	Avionics Training	Complete introduction to GPS and demonstration\
UAST 101	Instrument Landing System	x	x	Avionics Training Ch-10	Laboratory test on ILS systems using Aeroflex System
	Introduction to UAV	x		Introduction to UAV	Uses, laboratory demonstration with our UAV, mechanics
	Aircraft Systems Inspection & Maint.	x		FAA-H-8083-30	Theory and videos on all types of inspections, A, B. C, & D ck
	Satellite Communications, INMARSAT	x	x	Avionics Training	SATCOM using INMARSAT, its used and benefits to acfts
	Emergency Locator Transmitters	x	x	Avionics Training	Old and new ELTs used and Laboratory checks IAW FAR's
	FCC Element 1 & 3	x	x	GROL	Instruction on GROL FCC elements 1, 3, 8 & 9
	Aircraft Radar & Radar Altimeter	x	x	Avionics Training	Locations on aircrafts and doppler radar training
	Aircraft Instruments Laboratory	x	x	Avionics Training	Laboratory on mechanical and electronics instruments
	Test Equipment & Calib, TDR	x	x	FAA-H-8083-30	Laboratory on aviation test equipments mech and elect
	ARINC Specifications, ATA-100	x		ATA-100 manual	Instruction of ATA-100 specifications
	Course Review			REVIEW	Complete course review including Laboratory