



**Mecánica de Aviación / Aircraft Maintenance**  
( Airframe & Powerplant )

**1st Semester -**

General/AVIONICS/NDT	HOURS	CREDITS
GENL 101 GENERAL I	112.5	3
GENL 102 GENERAL II	112.5	3
GENL 103 GENERAL III	112.5	3
WELD101 Welding/Avionics	112.5	3
<b>Semester total</b>	<b>450</b>	<b>12</b>

**(OPTIONAL) Semester - AVIONICS TECHNOLOGY\*\***

AVIONICS	HOURS	CREDITS
(convalidar)		
AVON 104 Instruments/Harness	150	4
AVON 105 NAVCOMM/FCC1,3,8	150	4
<b>Semester total</b>	<b>300</b>	<b>8</b>

**2nd Semester -**

Airframe & Powerplant	HOURS	CREDITS
AIRF 101 AIRFRAME I	112.5	3
AIRF 102 AIRFRAME II	112.5	3
PWRP101 POWERPLANT I	112.5	3
PWRP102 POWERPLANT II	112.5	3
<b>Semester total</b>	<b>450</b>	<b>12</b>

**Program total**

**32**

**DAYS** (40+16 Weeks)

**EVENING** (68 weeks)

M/Tu/W/Th

M/Tu/W/Th

730am-3:00pm

5pm-10pm

[CAROLINA-787.253.2030](tel:787.253.2030)/[AGUADILLA-787.997.0792](tel:787.997.0792)

- GENL 101 Mathematics for Airframe, Technical English, Aviation Physics, Airport Ops, HAZMAT, Aircraft Drawings
- GENL 102 Weight and Balance, Materials and Processes, Corrosion Control, Fluid Lines and Fittings
- GENL 103 Ground Ops and Servicing, FAR Regulations and Technical Publications, ATA Codes, Hand Tools  
Entering the Field of Aviation Maintenance, Human Factors
- WELD 101 Welding, Basic Avionics, FCC Elements 1 and 3, Inspection Fundamentals (NDI/NDT)
- AIRF 101 Aerodynamics, Metallic and Non-Metallic Structures, Assembly and Rigging, Hydraulic and  
Pneumatic Systems, Advanced Composites, Aircraft Metal Structural Repairs
- AIRF 102 Aircraft Electrical and Fuel Systems, Cabin Environmental and Navigation Systems (NAVAIDS),  
Anti-icing, Aircraft Instruments, Landing Gear, Fire Protection
- PWRP 101 Reciprocating Engines. Lubrication, Fuel Metering, Ignition and Exhaust Systems, Operation and MTC
- PWRP 102 Turbine Engines, Theory and Construction, Lubrication, Cooling, Ignition, Starting Systems,  
Operations & Maintenance
- AVON 104 Transponders, TCAS, Aircraft Schematics and Drawings, Antennas, Harnesses, GPS, extensive laboratory
- AVON 105 ILS Lab Testing, SATCOMM, INMERSAT, ELT, Radar, Altimeter, FCC Elements 1,3,8, ARINC Specifications

\*\*Optional 3<sup>rd</sup> Semester - classes: Monday-Thursday - 0730am-12:30pm /8credits/16 weeks to be added to A&P Program

**CARIBBEAN AVIATION TRAINING INSTITUTE, INC.**

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