



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

### 1<sup>st</sup> Semester -

General		HOURS	CREDITS
GENL 101	GENERAL I	120	4
GENL 102	GENERAL II	120	4
GENL 103	GENERAL III	<u>120</u>	4
Semester total		360	<b>12</b>

### 3<sup>rd</sup> Semester -

Powerplant		HOURS	CREDITS
PWRP101	POWERPLANT I	120	4
PWRP102	POWERPLANT II	120	4
WELD101	Welding/Avionics	<u>120</u>	4
Semester total		360	<b>12</b>

### 2<sup>nd</sup> Semester -

Airframe		HOURS	CREDITS
AIRF 101	AIRFRAME I	120	4
AIRF 102	AIRFRAME II	120	4
AIRF 102-2	AIRFRAME SHOP	<u>120</u>	4
Semester total		360	<b>12</b>

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

AVIONICS (convalidar)		HOURS	CREDITS
AVON 104	Instruments/Harness	180	6
UAST 101	SATECH/Instruments	<u>180</u>	6
Semester total		360	<b>12</b>

**Program total** **48**

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
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
AIRF 102-2	Complete skills development Airframe Structures workshop
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
WELD 101	Welding, Basic Avionics, FCC Elements 1 and 3, Inspection Fundamentals (NDI/NDT)

--- (optional Avionics Technology - requires convalidation) ---

AVON 104	Transponders, TCAS, Aircraft Schematics and Drawings, Antennas, Harnesses, GPS, extensive laboratory, soldering, harness manufacture, others
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UAST 101	Intro to UAVs, SATCOMM, INMERSAT, ILS Lab Testing, ELT, Radar, Altimeter, FCC Elements 1, 3, 8, 9 <b>Jun &amp; Oct 2022 - DAYS- M/Tu/W/Th/Fri - 730am-1:30pm EVENING - M/Tu/W/Th- 5pm-10pm</b> <b>Aug &amp; Sept 2022 - DAYS- M/Tu/W/Th - 730am-1:30pm EVENING - M/Tu/W/Th- 5pm-10pm</b>
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