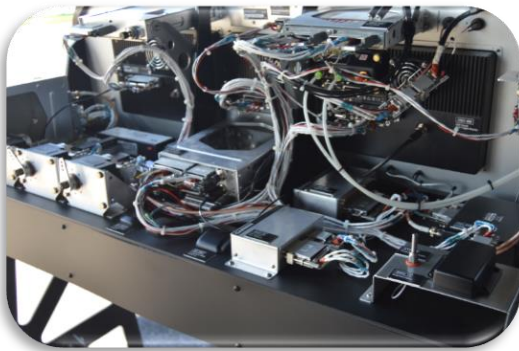




AVIATION MAINTENANCE TECHNOLOGY



Aviation Maintenance Technology (AMT) is a full time (2 years) diploma/degree program in **Applied Aviation Science**. This program introduces students to the broad spectrum of aviation knowledge that will be needed as they progress in their aviation careers. Aviation maintenance offers an exciting and rewarding career with high income potential. Every aircraft used for hire must undergo thorough inspections, maintenance and repairs on regular basis by licensed Aircraft Maintenance Engineer.

The core courses are developed to get the students prepared for advancement into specialized discipline in Airframe, Engines and Avionics. This will prepare the students to take AMT General, Airframe & Powerplant Knowledge Tests. Each Student is required to purchase an airplane kit and required tools.

The students will go through four semester sessions during which they will take **60 units** of core courses and some electives. Prerequisite: **Basic Aviation Technology**.

ENTRY REQUIREMENT

Students must have a pass in WASC with at least five credits. English and Mathematics plus other subjects in science or technical are advantageous with at least a CGPA of 2.0. Commercial or Art Students are also welcomed. All applicants must take the Pre-Degree Course in Basic Aviation Technology.

ENTRY REQUIREMENT FOR INTERNATIONAL STUDENTS

Students must complete at least 12 years of education and obtained a secondary school certificate or higher. International students should also have TOEFL if their primary language is not English. TOEFL scores 500 (paper-based test), 195 (computer-based test), 70 (internet-based test) and IELTS score of 5.5.

Course Outline

Semester	Modules	Course Codes
Semester (1)	<ul style="list-style-type: none"> • Aircraft Drawing and Interpretation • Basic Physics • Fundamental Electrical Theory • Materials and Processes • Technical Mathematics 	<ul style="list-style-type: none"> • GEN 005 • GEN 003 • GEN 004 • GEN 006 • GEN 002
Semester (2)	<ul style="list-style-type: none"> • Aerodynamics • Aircraft Design and Manufacturing • Aircraft Engines and Systems • Aircraft Instruments • Safety, Ground operations and Servicing 	<ul style="list-style-type: none"> • AVI 001 • AVI 008 • AVI 002 • AVI 009 • GEN 007
Semester (3)	<ul style="list-style-type: none"> • Aircraft cleaning and corrosion • Aircraft Electrical Systems • Aircraft Hydraulic Systems • Fluid lines & fittings • Inspection fundamentals • Weight & Balance and Aircraft Performance 	<ul style="list-style-type: none"> • GEN 008 • AVI 010 • AVI 015 • GEN 009 • GEN 010 • AVI 004
Semester (4)	<ul style="list-style-type: none"> • Project Options - <ol style="list-style-type: none"> 1. Complete Engine Overhaul 2. Construction of scaled/RC aircraft • On-Job-Training 	<ul style="list-style-type: none"> • PRO 001 • OJT 001

Duration of Course

Students currently attending ICA or any other school can participate our weekdays program (Monday – Friday 09:00am till 3:00) for twenty-four months or **two years**.