



# KUMUL TRAINING INSTITUTE

## Competency Based Training

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### AIRCRAFT MAINTENANCE ENGINEERING – (Mechanical and Avionics)

## INTRODUCTION

Kumul Training Institute - School of Aviation Studies (Aircraft Maintenance Engineering) is a CASAPNG recognized and approved (**CASAPNG Exposition 141/003**) Aviation Training Organization under the PNG Civil Aviation Regulation Part 141 Rule of the PNG Act 2000.

The School of Aviation Studies - is offering Aircraft Maintenance Engineering Subjects / Modules to students who are interested in Aircraft Maintenance Engineering profession in aviation industry. All syllabus for the Engineering Training Programs are conducted in line with CASA PNG, Civil Aviation Regulations Part 61 and 66 respectively with inclusive of other skilled subjects.

## COURSE OVERVIEW

The course is covered over four (4) semesters in two (2) years which is a Diploma in Aircraft Maintenance Engineering in Mechanical and Avionics subjects respectively.

These programs incorporate Basic Aeronautical Studies whereby students are taught fundamental theories of Aircraft Maintenance Engineering for both Fixed & Rotary wing aircrafts.

<b>COURSE:</b>	<b>Diploma in Aircraft Maintenance Engineering (Mechanical &amp; Avionics)</b>	
<b>Course Code</b>	DAS 900	
<b>Course Prerequisites</b>	Grade 12 and Grade 10 with Industrial Experience	
<b>Duration</b>	2 Years (4 Semesters)	
<b>Course Fees: For 1 Year</b>		
<b>A. Day Students Tuition fees</b>	<b>K15, 000.00</b>	(Compliment: Free Tablet containing 6 courses' text
<b>B. Boarding</b>	<b>K 3, 000.00</b>	books, 2x CASA Exam in NZ \$, ID & uniform)
<b>Total Tuition &amp; Boarding</b>	<b>K18, 000.00</b>	
<b>Institute Location:</b>	Port Moresby Section 227, Lot 100, Tokorara NCD & Mt Hagen	
<b>Hours</b>	3000	
<b>Credit Points</b>	300	
<b>Industrial Placements</b>	240 Hours (3 Months – On the Job Training))	
<b>Modules</b>	18 Modules	
<b>2021 Intake</b>	February 15, 2021 Class commence	
<b>Lecturers</b>	Qualified PNG Licenced Aircraft Maintenance Engineers	

## ❖ STUDY METHODS

- Handouts
- Home work
- Short Answer Question
- Essay Writing
- Presentation
- Tests per Topics
- Final Examination covering all studied syllabus

## ❖ REQUIREMENTS;

- Entry Test: pass mark 75%.
- 75% upfront payment of school fees should be paid before taking classes.
- Two (2) photo size identification cards.

**Note:** The overall percentage of the assessments are 100% with pass mark of 80%

Results to be considered for those who score below 80% and after failing the second attempt the students will face academic board and if the student fails the attempt on a specific subject, a student is considered fail and may not continue

### MODULES – ENGINEERING

1. Aviation Legislation – PNG
2. Aviation Mathematics
3. Aviation Physics
4. Occupational Health & Safety – Human Factors
5. Standard Aircraft Practices - General
6. Aerodynamics – Theory of Flight (Fixed & Rotary wing)
7. Aircraft Structures
8. Aircraft Systems – Airframe (Fixed & Rotary wing)
9. Aircraft Materials & Corrosion
10. Electrical & Electronics – Basic Fundamentals
11. Aircraft Instrumentation – Basic Fundamentals
12. Radio Communication & Navigation
13. Standard Aircraft Practices - Engines
14. Basic Piston Engine
15. Theory of Engine Propulsion
16. Propellers
17. Gas Turbine Engine I – Theory & Construction
18. Gas Turbine Engine II – Systems & Maintenance

❖ KTI-SOAS is also offering short aviation courses such as: Fees for Short Courses (K3,000.00)

- |   |  |
|---|--|
| <input type="checkbox"/> Aircraft Deep Cleaning     | <input type="checkbox"/> Loadmasters                       |
| <input type="checkbox"/> Aircraft Refuelling        | <input type="checkbox"/> Quality Safety Management Systems |
| <input type="checkbox"/> Dangerous goods            | <input type="checkbox"/> Workplace Risks Management        |
| <input type="checkbox"/> Fares & Airlines Ticketing | <input type="checkbox"/> Workplace Human Factors           |
| <input type="checkbox"/> Flight Attendant           | <input type="checkbox"/> Workplace Communications          |

**NOTE:** Short courses will run from one (1) month to three (3) months. One month On the Job Training will be provided for the first six courses only.

### ❖ COURSE FEES BREAKDOWN:

COURSE FEE/ Tuition fees	K15,000.00		
Tablet containing 6 course books			
CASAPNG Exam in NZ\$ (3x Courses)			
<b>1. Option A. Total Tuition fees for Day Students</b>	<b>K15, 000.00</b>		
Boarding Fees (Optional)		K3,000.00	
<b>2. Option B. Total Tuition and Boarding fees</b>			<b>K18,000.00</b>