

# Specialist Diploma in Aircraft Maintenance & Engineering (SAME)



## Course Description

The Specialist Diploma in Aircraft Maintenance and Engineering (SAME) is a programme conducted by Air Transport Training College (ATTC), the Professional Development Centre of the Singapore Institute of Aerospace Engineers (SIAE)\*.

This programme fully meets the requirements of skills required for the aerospace industry as well as providing you with the basic knowledge needed to be employed in an aircraft line maintenance environment. This training will also prepare you for the Civil Aviation Authority of Singapore (CAAS) Cat A1 certifying personnel examination.

SAME is a WSQ-approved course which integrates the modules of WSQ Higher Certificate in Aerospace Maintenance with specialisation in Aircraft Maintenance (Mechanical).

The SAME course incorporates the Basic Training for Category A1 of Part 66 of the Singapore Airworthiness Requirements of CAAS. Upon successful completion of the Basic Training, you need to complete only 1 year (instead of 3 years) of additional Aircraft Maintenance Experience which is one of the requirements to qualify for a CAAS Category A aircraft maintenance licence.

\* SIAE is a non profit Professional Institution

## Career Prospect

Students who graduate with Specialist Diploma in Aircraft Maintenance and Engineering (SAME) and obtained the CAAS SAR-66 Cat A1 Licence\*\* will find prospect for employment in the Aerospace industry locally and internationally.

\*\* One year of additional relevant Aircraft Maintenance Experience is required

## Admission Requirement

GCE 'O' Level with credit in English, Mathematics, and Science [Combined Science, Physical Science, Physics, Science (Physics, Biology), Science (Physics, Chemistry)] OR NITEC / Higher NITEC in relevant Engineering discipline OR Other equivalent qualifications from recognized engineering institutions

## Course Duration

Full-Time: 1 year  
Monday to Friday: 8.30am to 4.00pm

### Course Fee (S\$20,370) (Singaporeans & Singapore PR only)

- Application Fee: S\$200 (non-refundable)
- Course Fee (1 payment) : S\$6,111 after SSG funding  
(SSG funding is only applicable for Singapore Citizens or Singapore Permanent Residents)

### Course Fee (International only)

- Application Fee: S\$500 (non-refundable)
- Course Fee (1 payment): S\$20,370

All fees quoted above are exclusive of GST

Course Commencement is subject to minimum number of participants





## Course Syllabus

Module Code	Module Name
AM01	Mathematics
AM02	Physics
AM03	Electrical Fundamentals
AM05	Digital Techniques / Electronic Instrument Systems
AM06	Materials and Hardware
AM07	Maintenance Practices
AM08	Basic Aerodynamics
AM09	Human Factors
AM10	Aviation Legislation (Singapore)
AM11A	Turbine Aeroplane Aerodynamics, Structure and Systems
AM15	Gas Turbine Engine
AM17	Propeller
SS	Study Skills

## Workshop & Hangar Modules



Module Code	Module Name
P100	Basic Aircraft Maintenance Skills
P200	Aircraft Maintenance Experience

## WSQ Competency Units (Integrated)



Unit Code	Module Name
WSQ CU AR-CCU-201C-1	WSQ IU1 Perform Basic Aircraft Safety Practices and Documentation
WSQ CU AR-CCU-201G-1	WSQ SU1 Perform Aircraft General Maintenance Activities
WSQ CU AR-AMM-201E-1	WSQ EU1 Maintain Airframe Systems
WSQ CU AR-AMM-202E-1	WSQ EU2 Maintain Aircraft Fuel and Engine Systems
WSQ CU AR-CCU-201E-1	WSQ EU3 Maintain Sheetmetal Structures
WSQ CU AR-CCU-202E-1	WSQ EU4 Maintain Composite Structures
WSQ CU AR-AMM-203E-1	WSQ EU5 Maintain Aircraft Cabin Equipment and Furnishing

The information contained in this brochure is correct as of **1 March 2019** and is subject to change without notice. ATTC reserves the right to make changes to the programme structure, admission requirements, course fee, examination rules and regulations, lecturers, dates and venue of lectures.

To apply for admission into the Specialist Diploma in Aircraft Maintenance and Engineering (SAME), please apply personally at the college.



Cert No: EDU-2-2031  
Validity: 28Dec2015 to 27Dec2019

# Academic Progression Pathway



Course Application Fee for each course  
 S\$200 (SG/SPR)  
 S\$500 (International Students)



Fees shown are excluding of GST

## Career Opportunities in Aviation Industry (5.1 years)

MAR / SEP Intake 1 Year Full Time      MAR / SEP Intake 2 Years Part Time



Bachelor of Engineering (Honours)  
 Aircraft Engineering – Top Up  
 Kingston University London

S\$20,000  
 (No Funding)

Qualifying Entrance Exam

S\$981

Compulsory Bridging Course

MAR / SEP Intake 2 Years 3 Months Full Time



Foundation Degree in  
 Aircraft Engineering (FdEng)  
 Kingston University London

S\$49,350 (S\$24,350\*)

Qualifying Entrance Exam

Compulsory Bridging Course

S\$817.50

MAR / SEP Intake 1 Year Full Time



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 & Engineering (SAME)  
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 Professional Development Centre of the Singapore Institute of Aerospace Engineers

S\$20,370 (S\$6,111\*)

Acceptance to SAME course based on 85%  
 Attendance, Passing Grade 75%

MAR / SEP Intake 8 Months Full Time

S\$15,750 (S\$2,750\*)

Applied Diploma in  
 Aerospace Maintenance (ADAM)



MAR / SEP Intake 1.5 years Part Time

Applied Diploma in  
 Aerospace Maintenance (ADAM)



**\*Note: SSG funding is only applicable to all Singapore Citizens and Singapore Permanent Residents, PSEA Applicable**



# Air Transport Training College

Professional Development Centre of the Singapore Institute of Aerospace Engineers



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For more information on SkillsFuture Singapore:  
[www.skillsfuture.sg](http://www.skillsfuture.sg)