

Specialist Diploma in Aircraft Maintenance & Engineering (SAME)



MAR / SEP INTAKE

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 practical maintenance experience which is one of the requirements to qualify for a CAAS Category A aircraft maintenance licence.

As the Basic Training is also approved by the Maldives Civil Aviation Authority (MCAA), upon successful completion of the Basic Training, you similarly need only to complete 1 year (instead of 3 years) of practical maintenance experience to qualify for a MCAA Category A aircraft maintenance licence. Additionally, MCAA also exempts you from the relevant Category A basic module examinations.

* 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: 9.00am to 5.00pm

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 subjected to the 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 **9 March 2018** 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.



MALDIVES CIVIL AVIATION AUTHORITY
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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**

Accredited by:



Bachelor of Science (Honours)
 Aircraft Engineering – Top Up

Kingston University London

S\$20,000
 (No Funding)

Qualifying Entrance Exam

Compulsory Bridging Course

S\$981

MAR / SEP Intake 2 Years 3 Months Full Time

WSQ Aligned:



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

WSQ Aligned:



Specialist Diploma in Aircraft
 Maintenance & Engineering (SAME)



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*)

MAR / SEP Intake 1.5 years Part Time

Applied Diploma in
 Aerospace Maintenance (ADAM)



WSQ Aligned:



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