

Foundation Degree in Aircraft Engineering (FdEng)



The Foundation Degree in Aircraft Engineering (FdEng) is an intermediate level degree programme offered jointly by the Kingston University London and Air Transport Training College (ATTC), the Professional Development Centre of the Singapore Institute of Aerospace Engineers (SIAE).

Kingston University London in conjunction with KLM UK Engineering Ltd, designed and developed this Foundation Degree in Aircraft Engineering.

If you are interested in a career in aircraft maintenance engineering and would rise to the challenge of maintaining an aircraft, this is the course for you.

Foundation Degree

Foundation Degree in Aircraft Engineering (FdEng) is an industry-based, vocational qualification designed for people who want to get a practical start to their career.

As well as providing a fast-track entry to industry, the Foundation Degree gives you the option of taking your studies further to BSc (Hons) level.

BSc (Hons) at Kingston University London

Successful Graduates from this FdEng programme will have the option to proceed to a 3rd year at Kingston University London towards a BSc (Hons) in Aircraft Engineering.

During this top-up year, the modules will continue to specialise in aircraft engineering, but the focus changes to topics in maintenance management, control and quality.

Course Objectives

This is a 2 years full-time Degree programme designed to cover the basic knowledge requirements for the SAR Part 66 Cat B 1.1 License and the FdEng requirements of Kingston University London.

Entry Requirements

Prospective candidates should have at least 2 GCE 'A' Level / Polytechnic Diploma in Engineering or equivalent preferably in mathematics and a suitable science subject as required.

Applicants should be at least 18 years old on 1st September during the first year of the course.

Kingston University London



Air Transport Training College
Professional Development Centre of the Singapore Institute of Aerospace Engineers

ERF Registration Number: 199901790H
From 6 August 2010 to 5 August 2014



CALL (+65) 6603 6603 For Enquiries
Email: sales@attc.edu.sg

Course Structure

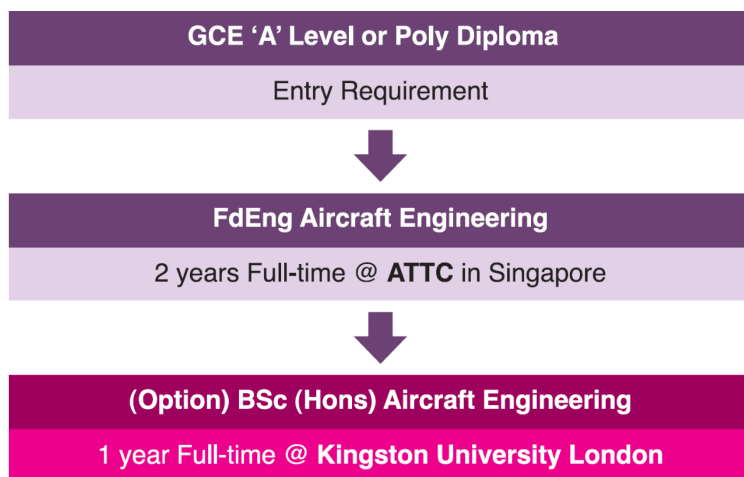
The modules in this 2 years full-time Foundation Degree programme will provide a firm foundation for training as an Aircraft Engineer. A work-based module covers 'hand skills' to aircraft engineering standard. Other modules give you an understanding of the work environment and legal requirements relating to the operations of commercial aircraft.

Foundation Year 1

Technology Mathematics 1
 Engineering and Aviation Science
 Electrical Engineering A
 Legislation and Safety Management in Aircraft Engineering
 Materials and Hardware
 Maintenance Practices A & B
 Workshop and Hangar Practice (work-based module)
 Human Factors and Safety Management Systems

Foundation Year 2

Electrical Engineering B
 Aerodynamics
 Aircraft Electronic Techniques and Digital Systems (double module)
 Aeroplane Propulsion Systems (double module)
 Aircraft Hangar Training (work-based double module)
 Turbine Aeroplane Aerodynamics
 Structures and Systems (work-based FdEng module)



Course Fee

- Application Fee: S\$214.00 (non-refundable)
- Course Fee after funding by WDA: S\$16,050.00 for 2 years (paid in 2 equal instalment)

Up to 70% subsidy

(WDA funding is only applicable for Singapore Citizens or Singapore Permanent Residents)

All fees quoted above are inclusive of 7% GST



Professional Conversion Programme

This degree programme is funded through the Professional Conversion Programme (PCP) administered jointly by MOM and WDA. 8 Aerospace WSQ units are integrated into the 2 years curriculum. Participants will be able to receive enhanced funding by meeting the requirements of PCP Programme.

WSQ Unit	Description
AR-CCU-201C-1	Perform Basic Aircraft Safety Practices and Documentation
AR-CCU-201G-1	Perform Aircraft General Maintenance
AR-ERO-201G-1	Perform General Engine Workshop Practices
AR-AMM-201E-1	Maintain Airframe Systems
AR-CCU-201E-1	Maintain Sheet Metal Structures
AR-CCU-202E-1	Maintain Composite Structures
AR-ERO-203E-1	Inspect Engine Component Parts
AR-ERO-201E-1	Disassemble & Assemble Engine

The information contained in this brochure is correct as of 04 October 2011 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 Foundation Degree programme, Please obtain the application form from:

Approved by:

