

# Foundation Degree in Aircraft Engineering (FdEng)



(This brochure is applicable only for international students)

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 has worked with KLM UK Engineering Ltd in the design and delivery of 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 maintenance management, control and quality.

## Course Objectives

This is a 2 year 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 2 GCE 'A' Level 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.

Overseas students require IELTS 6.5 or equivalent

## 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](mailto:sales@attc.edu.sg)**

## Course Structure

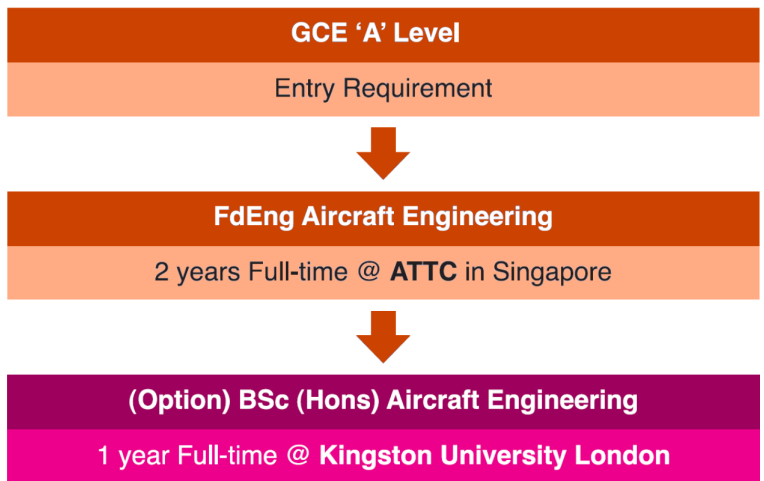
The modules in this 2 year full-time foundation degree programme will provide a firm foundation for training as an Aircraft Engineer. A work-based module covers 'hand skills' to aircraft engineering standard. Other modules give you an understanding of the work environment and legal requirements relating 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 : SGD535.00 (non-refundable)
  - Course Fee : SGD45,000.00 + 7%GST = SGD48,150.00  
 (Payment of SGD22,500.00 + 7%GST = SGD24,075.00 per year)
- (4 payment needs to be paid over four semesters prior to class commence)

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

## Kingston University London

Kingston University London is one of UK's highest rated universities and has a worldwide reputation for its aerospace and engineering courses. Currently there are more than 20,000 students studying in seven different faculties.

It has four campuses in the south west of the capital – two close to Kingston town centre, another at Kingston Hill and the fourth at Roehampton Vale, a site once used as an aerospace factory but is now occupied by a new technology block.

The University has an array of cutting-edge equipment including a flight simulator and LearJet. Its two-year Foundation Degree in Aircraft Engineering is regularly cited by British Government officials as an outstanding example of employer-linked education. The University offers a range of internationally-recognised qualifications.

All universities in the United Kingdom are subject to independent assessments of their teaching quality. In 2006, The Guardian newspaper ranked Kingston as the top new university in London. In its most recent University league table, The Sunday Times praised Kingston's record for teaching quality saying it positioned the University "in the vanguard of the modern university sector" and describing it as "a match for many older institutions".

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:

