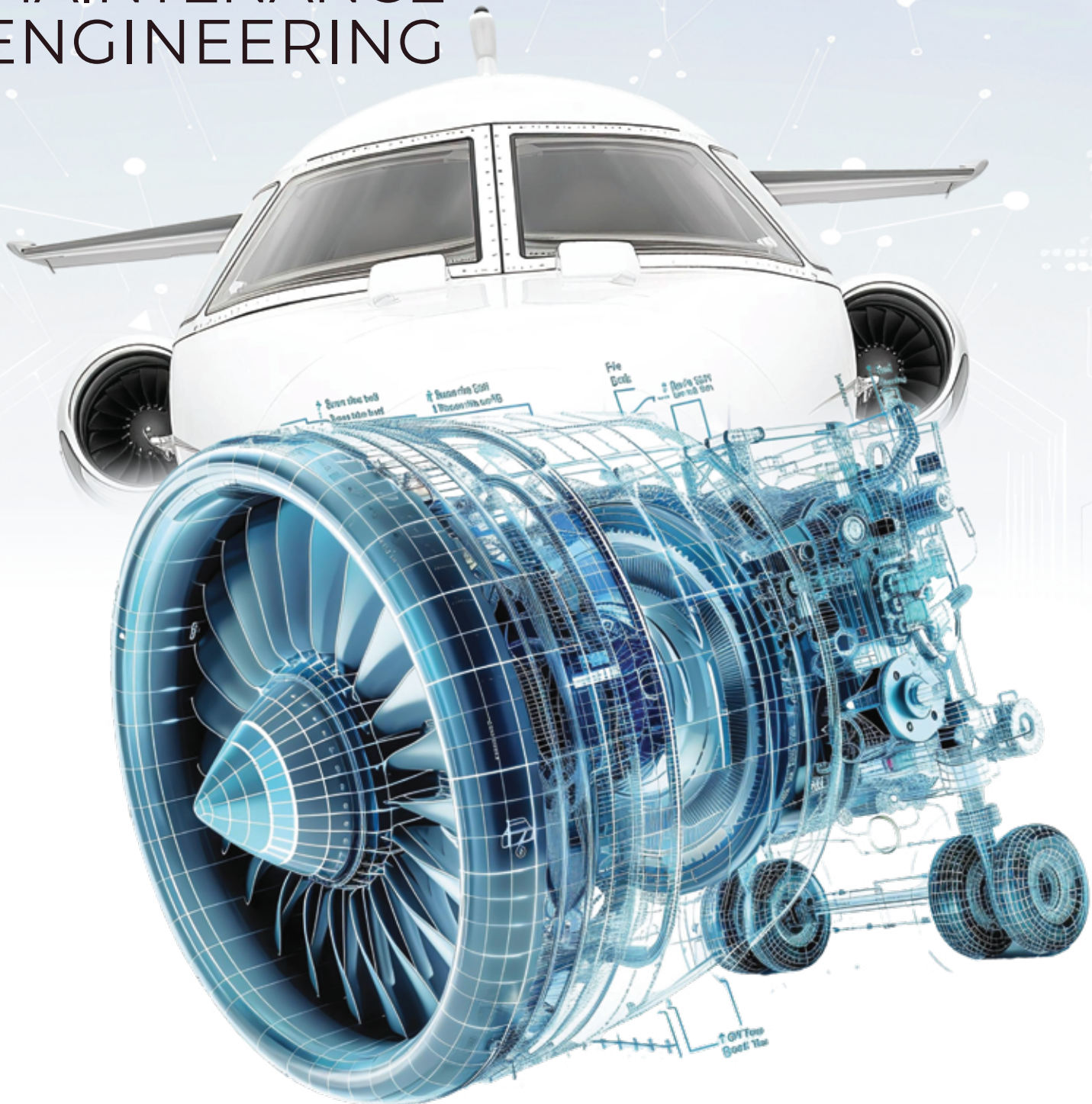


AIRCRAFT MAINTENANCE ENGINEERING



AIRCRAFT

MAINTENANCE ENGINEERING

DIPLOMA IN AIRCRAFT MAINTENANCE ENGINEERING

JPT/BPP/R3/0715/4/0020/09/Z7, (MQA/FA16893)

DURATION

2.5 years (including 6 months
of On Job Training)

INTAKE

January / June / September

SCHOLARSHIP/AID

Available

PROGRAMME MODULE

Year 1

Core Modules

- Mathematics
- Physics
- Basic Aerodynamics
- Electrical Fundamentals I
- Electrical Fundamentals II
- Materials and Hardware
- Electronic Fundamentals
- Maintenance Practices I
- Maintenance Practices II
- Aviation Legislation
- Airframe Structures
- Academic English with Research

Compulsory Modules (MPU Subjects)

- Graduate Preparatory Course
- Bahasa Kebangsaan A
- Penghayatan Etika Dan Peradaban (Malaysian Students) OR Bahasa Melayu Komunikasi I (International Students)
- Co-curriculum
- Integrity and Anti-corruption

**On Job Training begins at the completion
of year 2*

Year 2

Core Modules

- Human Factors
- Theory of Flight and Flight Controls
- Air Conditioning, Cabin Pressurisation and Oxygen Systems
- Turbine Engine and APU
- Digital Techniques and Electronic
- Instrument System
- Aircraft Hydraulics and Pneumatics
- Aircraft Landing Gears and Brakes
- Instrument and Avionics Systems
- Aircraft Electrical Systems
- Final Year Project

Elective Modules (Choose one set)

Set 1

- Engine Lubrication, Fuel and Air Systems
- Propeller
- Engine Operation and Maintenance

Set 2

- Aircraft Communication System
- Aircraft Autoflight System
- Aircraft Navigation System



SUMMARY OF ENTRY REQUIREMENTS

SPM

- A pass with at least credit in three (3) subjects including Mathematics and, sciences or technical based subjects
- A pass with at least credit in three (3) subjects including science or technical based subject and a pass in Mathematics. A bridging course in Mathematics is required

VOCATIONAL/TECHNICAL CERTIFICATE

- Certificate in Engineering or Engineering Technology
- Sijil Kemahiran Malaysia (SKM) Level 3 / Sijil Vokasional Malaysia (SVM) in related fields

APELA

- APELA T-4 with appropriate experience

ENGLISH REQUIREMENTS (for international students)

IELTS: 5.0/ MUET: 3.5/ TOEFL: 40 (iBT), 7.5 (Ess)/ PTE: 47/ Linguaskill OL: 154/ ELS: 107

HEALTH REQUIREMENTS

All offers are subject to the students being certified by a medical practitioner as fit to be accepted into the programme within a month from commencement of the aircraft maintenance programme and not having any of the following medical/physical conditions:

- Colour Blindness • Hearing Impairment • Asthma

AIRCRAFT

MAINTENANCE ENGINEERING

ADVANCED DIPLOMA IN AIRCRAFT ENGINEERING TECHNOLOGY

3PT/BPP1/R2/0715/5/0018/04/27, (MQA/FA1380)

DURATION

1 year for Nilai University
Graduates
*1 year and 1 semester for
other Institution Graduates

INTAKE

January / June / September

SCHOLARSHIP/AID
Available

PROGRAMME MODULE

*Year 1

Core Modules

- Research Methods and Design
- Aerospace Technology I
- Air Transport Economics I
- Aircraft Maintenance Operations I
- Aircraft Engineering Individual Project I
- Aerospace Technology II
- Air Transport Economics II
- Aircraft Maintenance Operations II
- Aircraft Engineering Individual Project II
- Unmanned Aerial Vehicle Operations

Elective Module (Choose one module)

- Aviation Safety OR
- Airline and Airport Operations OR
- Air Traffic Management

Compulsory Modules (MPU Subjects)

- Co-curriculum
- Penghayatan Etika Dan Peradaban (Malaysian Students)
OR Bahasa Melayu Komunikasi I (International Students)
- Integrity and Anti-corruption

Year 2

Compulsory Modules (MPU Subjects)

- Graduate Preparatory Course
***Bahasa Kebangsaan A

*For students who have not taken MPU subjects and other
Institution Graduates (1 year and 1 semester)

**For students who have already taken the MPU subjects in the
Diploma at Nilai University is not required to take the MPU subjects
(1 year)

***Students who do not have credit in Bahasa Melayu at SPM level,
must take Bahasa Kebangsaan A course as MPU course.



SUMMARY OF ENTRY REQUIREMENTS

Diploma (Level 4, MQF)
in related field

- Graduated with Diploma in Aircraft Maintenance Engineering or related field (Level 4, MQF) with minimum GCPA 2.00; or

- A pass in SPM or equivalent; or

- A pass in SPM English; or its equivalent

ENGLISH REQUIREMENTS (for international students)

IELTS: 5.0/ MUET: 3.5/ TOEFL: 40 (iBT), 7.5 (Ess)/ PTE: 47/ Linguaskill OL: 154/ ELS: 107

HEALTH REQUIREMENTS

All offers are subject to the students being certified by a medical practitioner as fit to be accepted into the programme within a month from commencement of the aircraft maintenance programme and not having any of the following medical/physical conditions:

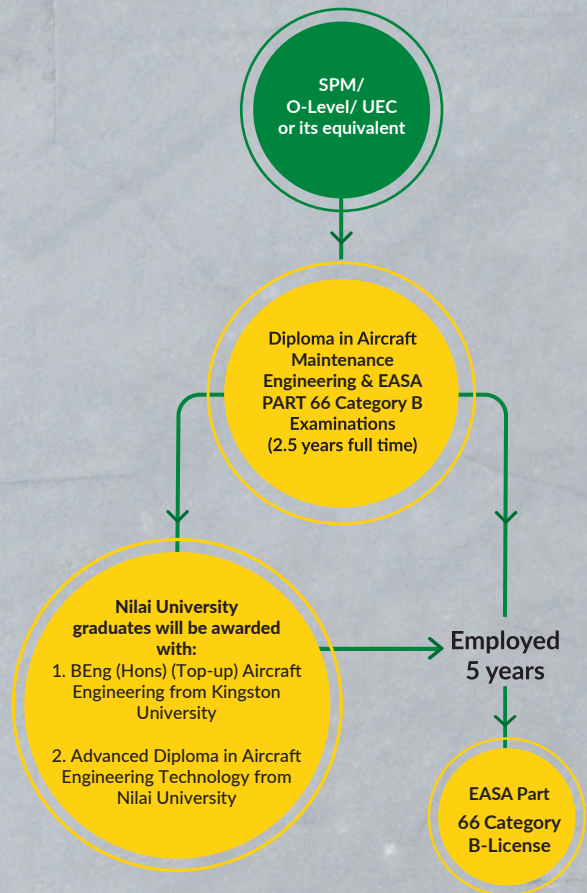
- Colour Blindness • Hearing Impairment • Asthma



CAREER PROSPECTS

- Aircraft Maintenance Technician
- Aircraft Maintenance Engineer (Mechanical)
- Aircraft Maintenance Engineer (Avionics)
- Aero Components Repair Technician
- Quality Assurance Engineer
- Airworthiness Inspector
- Technical Service Engineer

ACADEMIC PROGRESSION



Kingston
University
London



ROYAL
AERONAUTICAL
SOCIETY

Nilai University graduates will be awarded with:
BEng (Hons) (Top-up) Aircraft Engineering from Kingston University

AIRCRAFT MAINTENANCE ENGINEERING

For more information, please contact our Education Counsellors.
Student Recruitment Department
Nilai University

Nilai University DU0321(14)
No. 1, Persiaran Universiti, Putra Nilai,
71800 Nilai, Negeri Sembilan, Malaysia.

Tel: +606-850 5301/ 2308 | Email: study@nilai.edu.my

Malaysian Students



+6017-350 1188

International Students



+6017-381 6688

Nilai Education Sdn Bhd
Registration No: 19841021536 (307215-P)

Note: For international callers, please dial 0060 followed by our number.

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www.nilai.edu.my



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