

AIRCRAFT MAINTENANCE ENGINEERING



AIRCRAFT

MAINTENANCE ENGINEERING

DIPLOMA IN AIRCRAFT MAINTENANCE ENGINEERING

JPT/BPP/R3/0715/4/0020/09/27, (MQA/8305)

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

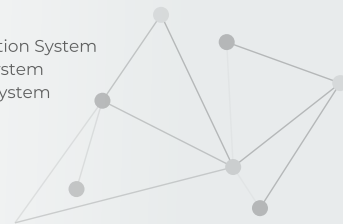
Elective Modules (Choose one set)

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

SMP

- 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 (ADAE)

3PT/BPP1/R2/525/5/0018/04/27, (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

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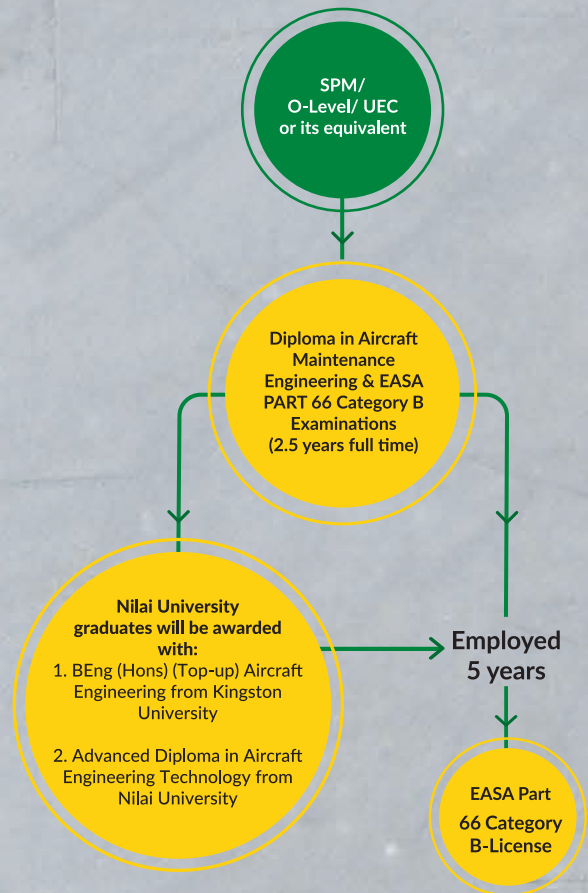
- Colour Blindness • Hearing Impairment • Asthma



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



**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 DU032(P)
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: 19941021536 (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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