Nilai U’s School of Engineering, Science and Technology encapsulates the hi-tech prowess of the 21st century with solid academic programmes in engineering.

Supported by a comprehensive infrastructure and a dedicated team of lecturers, you can look forward to a holistic learning experience that will position you to excel in any environment anywhere in the world.

INNOVATIVELY DESIGNED PROGRAMMES

Senior foreign and local academics an leading industry experts designed Nilai University Engineering degree programmes with an input from the Engineering Accreditation Council, Malaysia.

Our programmes prepare students for professional practice in an era of rapidly advancing technology. They combine a strong base in the chosen field of engineering sciences with project-based laboratory and design experiences.

Courses in professional development, entrepreneurship, public speaking, ethics and social responsibility, a period of industry attachment and co-curriculum form an integral part of the programme.

Some of the exciting fields that our graduates enter are:

**AUTOMOTIVE ENGINEERING**
- Design Engineer for Automotive Systems and Components
- Fleet Engineer or Automotive Manufacturing Engineer
- Vehicle Service Engineer
- Entrepreneur for Transport and Vehicle related business

**ELECTRICAL & ELECTRONICS ENGINEERING**
- Design Engineer for Electronics Systems and Components
- Electronics Manufacturing Engineer
- Electronics Service Engineer
- Entrepreneur for Electronics component design and manufacturing related business

**MECHANICAL ENGINEERING**
- Design Engineer for Mechanical/Automotive Systems and Components
- Mechanical/Automotive Manufacturing Engineer
- Industrial Maintenance Engineer
- Entrepreneur for Mechanical Workshop or Machine components design and manufacturing related business
Our engineering programmes acquired licensed MATLAB, Simulink, Multisim, AutoCAD, SolidWorks, Ansys, CNC Simulator and Emulator software to study the advances in the field of Electrical and Electronics, Mechanical, Mechatronics and Automotive Engineering and to take up in-house projects.

THE WASHINGTON ACCORD, established in 1989 is an international accreditation agreement for engineering degrees. The Board of Engineers Malaysia (BEM) obtained full signatory status of the Washington Accord for Malaysia on 18 June 2009. Engineering qualifications accredited by the BEM are now recognised in all signatory countries of the Washington Accord including Australia, Canada, Chinese Taipei, Hong Kong, Ireland, Japan, Korea, New Zealand, Singapore, South Africa, Turkey, United Kingdom and the United States of America.
KEY FEATURES

EXCELLENT ENGINEERING CURRICULUM
The engineering curriculum has been created to produce an all-rounded student. This curriculum is enhanced occasionally through feedback from the industrial and academic advisory panels and our alumni.

The programmes offered are all approved by the Malaysian Qualifications Agency (MQA).

WORLD CLASS LEARNING FACILITY
The engineering labs at Nilai U consists of a large variety of modern student-centred equipment and engineering software. Computers with the latest processor and operating systems are provided for our students.

Nilai U prides itself on excellent pastoral care and student-staff ratios.

Licensed software & enhanced certification from:

SPECIALISATIONS

Automotive Engineering

FOCUS
The design, construction & production of automotive components and assemblies.

CORE CONCEPTS
- automotive power plant design
- hybrid & electrical vehicles
- chassis design & vehicle dynamics
- vehicle aerodynamics
- computer-aided design
- computer-aided manufacturing
- computer-aided engineering
- engineering materials

Electrical & Electronics Engineering

FOCUS
The study of electrical energy systems & electronics.

CORE CONCEPTS
- electrical technology
- power electronics
- analog & digital communication
- control systems
- computer programming languages
- computer systems
- microprocessor theory

Mechanical Engineering

FOCUS
I - The design & application of thermal, fluid & mechanical power systems.
II - The design, production & use of machines & tools.

CORE CONCEPTS
- engineering mechanics
- thermodynamics
- fluid mechanics
- heat and mass transfer
- materials science & engineering
- computer-aided design
- computer-aided manufacturing
- computer-aided engineering
- energy management
<table>
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<tr>
<th>PROGRAMME LEVEL</th>
<th>NILAI U PROGRAMMES</th>
<th>MINIMUM ENTRY REQUIREMENTS</th>
<th>DURATION (YEARS)</th>
<th>INTAKE</th>
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<tbody>
<tr>
<td>PRE-UNIVERSITY</td>
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</table>
| FOUNDATION      | **Foundation** in Science | • SPM / O-Level -- 5 credits including Mathematics, 2 Science subjects and a pass in Bahasa Melayu and English  
• UEC -- 4Bs including Mathematics and 2 Science subjects | 1 | JAN MAY SEPT |
| DIPLOMA         | **Diploma in Electrical & Electronic Engineering** | • SPM / O-Level -- 3 credits including Mathematics, a Science subject and a pass in English  
• UEC -- 3Bs including Mathematics, a Science subject and a pass in English  
• MLVK -- Pass with Level 3 & 1 credit in SPM (studies to Diploma level should be in a similar field)  
• Certificate (a related field) -- Pass | 2½ | JAN MAY OCT |
|                 | **Diploma in Mechanical Engineering** | • SPM / O-Level -- 3 credits including Mathematics, English and a Science subject  
• Successful completion of the Certificate in Aircraft Maintenance Engineering or other relevant fields from a polytechnic or other providers of higher education recognised by the Malaysian Government with a CGPA of 2.00 | 2½ | JAN MAY OCT |
|                 | **Diploma in Mechatronics Engineering** | • SPM / O-Level -- 3 credits including Mathematics, English and a Science subject  
• Successful completion of the Certificate in Aircraft Maintenance Engineering or other relevant fields from a polytechnic or other providers of higher education recognised by the Malaysian Government with a CGPA of 2.00 | 2½ | JAN MAY OCT |
|                 | **Diploma in Aircraft Maintenance Engineering** | • Nilai U Diploma in Aircraft Maintenance Engineering  
• EASA Part - 66 License in Category ‘B’  
• Diploma (in a related field)  
Pass and a pass in SPM English  
(Eligibility determined on a case-by-case basis by Kingston University, UK) | 1 | JAN MAY |
| UNDERGRADUATE  |                    |                             |                 |        |
| DEGREE          | **Bachelor of Automotive Engineering (Hons)** | • STPM/ A-Level -- 2 principal passes including Mathematics and Physical Science  
• Diploma (in a related field) -- Pass  
• Foundation (in a related field) -- Pass | 4 | JAN MAY OCT |
|                 | **Bachelor of Electrical & Electronics Engineering (Hons)** | • SPM / O-Level -- 3 credits including Mathematics, English and a Science subject  
• Successful completion of the Certificate in Aircraft Maintenance Engineering or other relevant fields from a polytechnic or other providers of higher education recognised by the Malaysian Government with a CGPA of 2.00 | 2½ | JAN MAY OCT |
|                 | **Bachelor of Mechanical Engineering (Hons)** | • SPM / O-Level -- 3 credits including Mathematics, English and a Science subject  
• Successful completion of the Certificate in Aircraft Maintenance Engineering or other relevant fields from a polytechnic or other providers of higher education recognised by the Malaysian Government with a CGPA of 2.00 | 2½ | JAN MAY OCT |

Other equivalent qualifications as determined by the Nilai U senate are accepted. For more information, please refer to our education counsellors. Conditional offers are given based on forecast results for the January intake.

### MINIMUM ENGLISH ENTRY REQUIREMENT (For International Students Only)

<table>
<thead>
<tr>
<th>IELTS</th>
<th>TOEFL</th>
<th>GCE/GCSE O-LEVEL</th>
<th>NILAI UNIVERSITY IEP</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAND 5.0</td>
<td>PAPER BASED: 500</td>
<td>MINIMUM GRADE E</td>
<td>SUCCESSFULLY COMPLETED OR EXEMPTED</td>
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<tr>
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<td>COMPUTER BASED: 61</td>
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Only when stated as an entry requirement, a minimum Grade C is then needed for English. For other qualifications, please consult our education counsellors.

**COURSE PATHWAY**

- Foundation at Nilai U
- Engineering Diploma at Nilai U
- Engineering Degree at Nilai U
- Registration with the Board of Engineers Malaysia
- Recognition as a professional Engineer
WHY NILAI U?

ENRICHMENT FOR LIFE
105-acre award-winning campus is dedicated to a sole mission – to bring out the best in you.

We are committed to providing a life-enriching experience that will challenge and stimulate not only the mind and body but also to nurture the soul of the human spirit.

IDEAL LOCATION
Strategically located in the bustling township of Putra Nilai, we are a short 35-minute drive from Kuala Lumpur city centre and 20 minutes from the Kuala Lumpur International Airport.

WORLD-CLASS LEARNING RESOURCES
World-class facilities support our academic offerings. These range from modern air-conditioned lecture theatres and classrooms to well-equipped science and skills laboratories.

The Nilai University
BLUEPRINT FOR SUCCESS

STRONG COURSES
Programmes combine a strong base of courses in the chosen field of study.

CHARACTER BUILDING
Course modules to nurture professional development and character building.

HOLISTIC DEVELOPMENT
Co-curriculum involvement to promote self-confidence, independence and resourcefulness.

INDUSTRY INTERNSHIP
Provides practical experience at a supervised field site to complement theoretical learnings.
Nilai Springs Resort Hotel & Golf Club

Nilai Springs Resort Hotel is a four-star resort hotel with 183 guest rooms and suites. It is located just 5 minutes away from Nilai U and is equipped with its very own 27-hole championship golf course.

35 mins drive from KL

FREE WiFi
FREE SHUTTLE
COUNTRY CLUB LIFESTYLE
FURNISHED APT
FINANCIAL AID
SCHOLAR SHIPS
FREE PARKING

GYM
SWIM POOL
FREE CAFE BAKERY
ATM
GOLF MODULES

LIVING FACILITIES
• 24-hour Security
• 1,000-seater Food Court (Halal) with Satellite TV
• Formal Dining Restaurant
• Internet Access
• Café Bakery
• Shuttle Bus Service
• WiFi-enabled campus
• Launderette
• Minimart
• Muslim Prayer Rooms
• ATM Facilities
• Bookshop
• Gift & Sports Shop
• International Student Airport Pick-up
• International Student Visa Application

RECREATIONAL FACILITIES
• Fully-equipped Gymnasium
• 1,000-seater Food Court
• Golf Course*
• Indoor Sports Centre
• Lakeside Recreation Park & Jogging Track
• Football Field
• Swimming Pool*
• Table Tennis
• Tennis Courts
• Volleyball Courts
• Clubs & Societies
• Badminton Courts
• Basketball Courts
• Music Room
• Team-building Park

* Nearby Nilai Springs Golf & Country Club

“The university with a resort hotel & golf club.”
CAMPUS
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Negeri Sembilan
MALAYSIA
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Fax: 06 850 1266
SMS: 012 628 1139
Email: marketing@nilai.edu.my
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MALAYSIA
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Fax: 07 222 2339

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Eduquest Education Services Sdn Bhd
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Phase 2A, 88000 Kota Kinabalu, Sabah
MALAYSIA
Tel: 088 238 811 / 822
H/P: 012 828 6238 / 016 810 6230
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Email: yappinsim@gmail.com

LOCAL CONTACT

Note: For international callers, please dial 00(6) followed by our number.

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