

- Digital Signal Processing

Digital Logic Design

Data Communication & Network

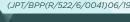
A. BACHELOR OF ELECTRICAL &

- - Electromagnetic Fields & Waves

- Process Control & Instrumentation

- Digital Logic Design Lab

B. BACHELOR OF ELECTRICAL POWER **ENGINEERING (HONS.)**



- Electrical Machines & Drives Electrical Power System I

- High Voltage Technology

- Microprocessor Systems
- Process Control & Instrumentation
- Flectrical Machines Lab

C. BACHELOR OF MECHANICAL **ENGINEERING (HONS.)**



- Circuits Analysis I & II
- Electro-Mechanical Systems
- Engineering Graphic & CAE Engineering Materials
- Fluid Mechanics Lab
- Machine Design Manufacturing Processes
- Mechanical Design Process

- Mechanics II: Dynamics
- Mechanics of Materials Modeling & Control of Dynamic Systems
- Thermodynamics I & II
- Electrical Measurement& Lab Engineering Measurement & Lab Heat Transfer & Applied Thermo. Lab

Machine Design & CAD Lab

Compulsory Subjects

- Islam/ Moral & Civil Society I, II & III Principles of Management
- Literature & Society
- Engineers in Society
- Islamic Civilisation, Asian Civilisation Technical Communications
- **Engineering Economics**



D. BACHELOR OF CIVIL **ENGINEERING (HONS.)**

T/BPP(R/526/6/0102)02/21)



Water Wastewater

Technology Lab

- Civil Engineering Drafting Technology Geotechnical Engineering
- · Civil Engineering Elective I & II Highway Engineering Civil Engineering Materials Hydraulic Engineering
 - Hydrology Engineering
- Integrated Civil Engineering Mechanics of Fluids Reinforced Concrete
- Introduction to Environmental Numerical Methods for Civil Engineers Engineering
- Project Management Mechanics II : Dynamics & Construction
 - Civil Engineering Materials Lab Highway & Transportation
 - Engineering Lab
 - Hydrology &
- - Hydraulic Engineering Lab
- Introduction to Environment Engineering Lab Mechanics of Fluids Lab

Soil Mechanics

Soil Mechanics Lab

Statistics for Civil Engineers

Structural Analysis I & II

Structural Steel Design I

Surveying Practical Training

E. BACHELOR OF COMPUTER & **COMMUNICATIONS ENGINEERING (HONS.)**



Digital Logic Design Lab

Measurement Lab

- Operating Systems Programming for Engineers
- Wireless & Mobile

Data Communication & Network

Digital Communications

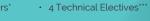
Digital Signal Processing

Digital Logic Design

Microprocessor Systems Lab

Common Technical Subjects

- Advanced Calculus & Analytical Geometry
- Programming Capstone Design Courses* Industrial Training
- Differential Equations Linear Algebra* Numerical Methods for Engineers*
 - Project 1 & 2





**Except Civil replaced with Integrated Civil Engineering Design Project

- Bachelor of Computer & Communication Engineering, 3 electives only.
- Bachelor of Civil Engineering, 2 electives only.





Creative, Innovative & Energetic.





UNIVERSITI

UNIVERSITI TENAGA NASIONAL

Disclaimer: All information is correct at time of printing.

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Putrajaya Campus, Jalan IKRAM-UNITEN, 43000 Kajang, Selangor (Malaysia)

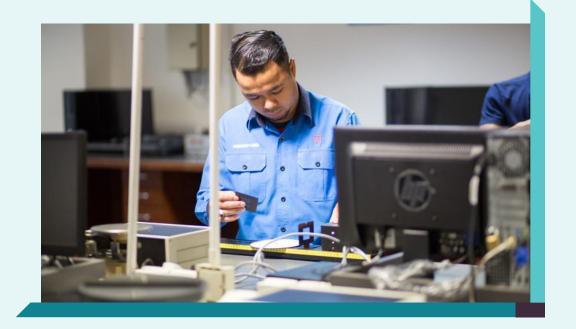
Tel: +609-455 2020 Fax: +609-455 2000 KPT/JPS/DFT/US/C 01

Sultan Haji Ahmad Shah Campus, 26700 Bandar Muadzam Shah, Pahang (Malaysia)

Tel: +603-8921 2020 Fax: +603-8928 7166 DU002 (B)

The National Energy University

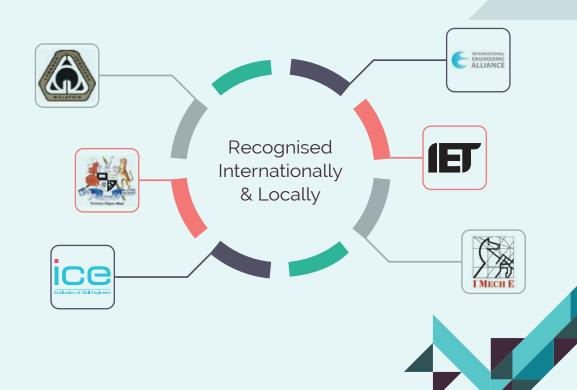
INTRODUCTION



The College of Engineering (C.O.E) has kept pace with the demands of scientific and technological world. The college strives to provide a first class educational experience to its undergraduate students and prepare them for positions in the industry or academia. The college comprises of Electronics & Communication Engineering Department, Electrical Power Engineering Department, Mechanical Engineering Department, Civil Engineering Department. The college offers programmes at Bachelor levels. The college, in collaboration with College of Graduate Studies (COGS), offers programmes at Postgraduate levels (Masters &

All programmes offered are designed to satisfy the academic requirements of Malaysian Qualifications Agency (MQA), Board of Engineers Malaysia (BEM) and also Engineering Accreditation Council (EAC) Malaysia. Apart from that, our programmes are accredited by the Institution of Mechanical Engineers (IMechE), Institution of Civil Engineers (ICE), and Institution of Engineering & Technology (IET) from United Kingdom (UK).

This allows students to register and practice engineering in foreign countries upon graduation.



CAREER PROSPECTS

A. Bachelor of Electrical & Electronics Engineering (Hons.)



- Maintenance/ Operation Engineers Electrical / Electronic
- Design Engineers

- System Engineers
- Academicians

· Research/Test Engineers

· Research/Test Engineers

B. Bachelor of Electrical Power Engineering (Hons.)



- Electrical Distribution Engineers Power System Engineers
- Power Station Engineers
- Maintenance/ Operation Engineers
- Consulting Engineers

C. Bachelor of Mechanical Engineering (Hons.)



- Maintenance/Operation Engineers
- Automotive Engineers Power/ Chemical/ Processing
- Plant Engineers

D. Bachelor of Civil Engineering (Hons.)



- Project Engineers
- Structural Engineers
 Water/ Wastewater Engineers
- Geotechnical Engineers
- Design Engineers

Research/ Test Engineers

- Research/ Test Engineers
- Consulting Engineers
- Sales & Maintenance Engineers

E. Bachelor of Computer & Communication Engineering (Hons.)

Highway/ Transportation Engineers · Academicians



- Network Engineers
- Maintenance/ Operation Engineers Consulting Engineers
- Instrumentation & Control Engineers
- Electronic System Engineers

PROGRAMMES OFFERED



- A. Bachelor of Electrical & Electronics Engineering (Hons.) B. Bachelor of Electrical Power Engineering (Hons.
- C. Bachelor of Mechanical Engineering (Hons.)
- D. Bachelor of Civil Engineering (Hons.)
- E. Bachelor of Computer & Communication Engineering (Hons.)

UNIVERSITY AWARDS

A showcase of UNITEN's Accolades. The continuous quest for national & global recognition of excellence



PROGRAMMES OFFERED

CAREER PROSPE

INTRODUCTION

2010-2011

The Brand Laureate



The Brand Laureate 2008-2009



Prime Minister's Award for Industry Excellence 2009

Asia-Pacific Business

Excellence Standard Award

APBEST Grand Award Winner of The Year And Best Education Services In The Asia-Pacific



of The Year Award

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Let us empower you in building your brighter future.















For further details, please visit at: http://www.uniten.edu.my/admission

LABORATORY FACILITIES

A. Electronics & Communication Engineering Laboratory



- Electronic Design Lab
 Electrical/ Electronics
- Measurement Lab
- Microprocessor Applications Lab
- RF & Microwave Technology Lab

B. Electrical Power Engineering Laboratory



- Electrical Machines Lab Electrical/ Electronics
- Smart Grid Lab Power System Protection Lab

Digital Logic Design Lab

Digital Signal Processing Lab

Very Large Scale Integration

(VLSI) Design LabControl Systems Lab

· Digital Lab

- Condition Monitoring Lab
- Research & Project Lab

C. Mechanical Engineering Laboratory



- Materials Lab Machine Design Lab
- Automation & Robotics Lab
- Computer Aided Design & Computer Lab
- Instrumentation & Measurement
- Computational Fluid Dynamics Lab

Internal Combustion Engine Lab

Fluid Mechanics Lab

Applied Thermodynamics &

D. Civil Engineering Laboratory



- Environmental Engineering Lab Highway & Transportation
- Engineering Lab
- Mechanics of Materials Lab Civil Engineering Materials Lab
- Mechanics of Fluids Lab Advanced Structural Engineering Lab Geotechnical Engineering LabCivil Engineering Computer Lab

Civil Engineering Drafting

"C.O.E HAS 40 TEACHING LABS"

http://coe.uniten.edu.my/portal/gallery/



http://coe.uniten.edu.my/portal



