



# WEEKDAYS EVENING CLASSES

BACHELOR OF ENGINEERING  
TECHNOLOGY (HONS) IN  
**ELECTRICAL**

## ENQUIRIES

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JPT/BPP (R/522/6/0039) 06/19, MQA A 10136

## BACHELOR OF ENGINEERING TECHNOLOGY IN ELECTRICAL (Honours)

Weekdays Evening Classes

### OVERVIEW

This programme has been designed specifically to address the needs of the various chemical related industries for knowledgeable and well trained personnel in engineering discipline. The theoretical and practical nature of this programme will enable prospective students to apply directly at the workplace the advanced concepts taught.

### ENTRY REQUIREMENT

Pass Sijil Tinggi Pelajaran Malaysia (STPM) or equivalent with a minimum of Grade C (CGPA 2.0) in 3 subjects including Mathematics, one (1) Science and passed the Sijil Pelajaran Malaysia (SPM) or equivalent with at least passing English or equivalent

OR

Passed Diploma in Engineering / Engineering Technology (Level 4, kkm) in areas related to daripada PPT recognized by the Malaysian Government with a minimum CGPA of 2.0, OR

Passed Diploma (Level 4, kkm) in the field of Vocational, Scientific or Technical / related skills and recognized by the Malaysian Government with a minimum CGPA of 2.0 and a pass in English at

SPM or equivalent

OR

Passing Basic Science and Technology / Basic Science / Matriculation / Science Program in the field of preparation of PPT recognized by the Malaysian Government with minimum CGPA 2.0 including Mathematics and one (1) science subjects AND pass in English at SPM or equivalent

OR

International Baccalaureate graduate with at least 24/45 points including Mathematics and one Science subject

OR

Pass Sijil Tinggi Agama Malaysia (STAM) with at least Grade Jayyid AND SPM or equivalent with at least a pass in English or equivalent

OR

Passed Higher National Diploma (HND) UK (Level 4, kkm) in areas related to the PPT recognized by the Malaysian Government with a minimum CGPA of 2.00

AND

Other qualifications recognized by the Malaysian Government  
HAVE A UNIVERSITY QUALIFICATION EXAMINATION ENGLISH TEST (MUET) AT LEAST BAND 2 OR  
HAVING AT LEAST MINIMUM IELTS BAND 4.0 OR  
HAVE MINIMUM SCORES AT LEAST TOEFL 450 (PBT) or 135 (CBT) or 40 (IBT)

### PAYMENT OR FUNDING OPTIONS

## HRDF Claimable

*\*subject to company levy contribution*

## EPF WITHDRAWAL

## PTPTN

*\*subject to PTPTN approval*

## CREDIT CARD

## COURSE CONTENTS

### SEMESTER 1

Engineering Mathematics I  
Programming I  
Introduction to Electronics  
Electrical Engineering Workshop  
Technology  
Circuits Theory I  
Proficiency English  
Bahasa Kebangsaan (for Non Credit BM only)  
Malaysian Studies  
Co-Curriculum I

### SEMESTER 3

Engineering Mathematics III  
Network Analysis  
Electronics II  
Introduction to Microprocessor  
Measurement & Instrumentation I  
Professional Communication I  
Quran & Modern Science

### SEMESTER 5

Automation and Robotics  
Power Electronics  
Electrical Machines & Drives  
Microcontroller & Interfacing  
Industrial Safety & Health  
Islam, Sains dan Teknologi  
Mandarin II

### SEMESTER 7

Final Year Project  
Innovation Management  
Electrical System in Building  
Elective Module

*\*credit transfer or exemption based on prior learning*

### SEMESTER 2

Engineering Mathematics II  
Introduction to Digital Electronics  
Electronics I  
Circuits Theory II  
Engineering Mechanics  
Technical Communication  
Co-Curriculum II

### SEMESTER 4

Engineering Mathematics IV  
Control Systems  
Power Systems  
Measurement & Instrumentation II  
Essential Management Principles  
Professional Communication II  
Mandarin I

### SEMESTER 6

Final Year Project  
Power Quality  
Technopreneurship  
Islamic/Moral Studies  
Elective Module

### SEMESTER 8

Industrial Training