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Diploma in Industrial Automation Engineering Technology (Electrical)

R2/523/4/0071(08/2027) - MQA/FA14298
MBOT/FA/EE/0/01/0061

Undergraduate

2025/2026 Session

DIPLOMA IN INDUSTRIAL AUTOMATION ENGINEERING TECHNOLOGY (ELECTRICAL)

INTRODUCTION

The Diploma in Industrial Automation Engineering Technology (Electrical) is tailored for students with a keen interest in the technical intricacies and managerial aspects of the electrical sector. This program offers a well-rounded education, covering vital topics including Electrical Installation & Protection Systems, Electric Motors, Renewable Energy, and the Maintenance of Pneumatic & Hydraulic Systems. Additionally, students gain practical experience in industrial management techniques and proficiency in utilizing automation-related machinery and software within the electrical industry. Upon completing this program, graduates are exceptionally marketable, equipped with the skills and knowledge needed to thrive in the real-world industry landscape.

MODULES

FIRST YEAR

CORE
MODULES

- Electrical Technology I
- Programming I
- Automation Technology
- Technical Drawing
- Pneumatic & Hydraulic
- Electrical Technology II
- Industrial Instrumentation
- Electronics I
- Circuit Design
- Digital System
- Mathematics I
- Mathematics II



SECOND YEAR

CORE
MODULES

- Electrical Installation
- Microcontroller
- Electronics II
- Entrepreneurship
- Power Electronics & Drives
- Programmable Logic Controller
- Material Science
- Fundamental of Renewable Energy
- Control System
- Final Year Project
- Electrical Machines



THIRD YEAR (First Semester) Industrial Training

Admission Requirements

QUALIFICATIONS

- **SPM/ O-LEVEL**
Pass SPM or its equivalent with at least credits in THREE (3) subjects including Mathematics and ONE (1) relevant science/ technical/ vocational subject AND a pass in English, **OR**
 - **STPM/ A-LEVEL**
Pass STPM or its equivalent with a pass in Mathematics, English and ONE (1) relevant science/ technical/ vocational subject at the SPM level, **OR**
 - **CERTIFICATE**
Recognised Certificate in Engineering/ Engineering Technology or its equivalent
- OR**
Recognised related Vocational and Technical/ Skills Certificate or its equivalent, with ONE (1) year of relevant work experience or a minimum of ONE (1) semester of a bridging programme.

ENGLISH LANGUAGE

- **IELTS** Minimum Band 5.0
- **TOEFL** Minimum 500
- **MUET** Band 3 or higher
- **PTE** 47 and above

Note: International students with no English Language certificate will be given a conditional offer as requirement by Education Malaysia Global Services (EMGS).



Full Time

2.6 years (5 semesters)



Intakes

February/April/ July/ September



Full Time (Local)

Registration Fee: RM890.00
Semester Fee: RM5,512.00

Full Time (International)

Registration Fee: RM890.00
Semester Fee: RM7,872.00

Application Guidelines

MALAYSIAN QUALIFICATIONS

Step 1

Log on to
<https://ecampus.tatiuc.edu.my/pelajar/apply.php>
to create an account and fill in required information.

OTHERS

Step 1

Log on to
http://ecampus.tatiuc.edu.my/pelajar/apply_olevel.php
to create an account and fill in required information.

Step 2

Upload all supporting documents and confirm the application submission

Step 3

Check the application status online at the same website. The result will be received within 1 week after the application is made.



For International Students

Please submit your offer letter and all passport pages to International Unit
(igs@uctati.edu.my) for visa arrangement prior your departure to Malaysia.





For online application, please visit:

Malaysian Qualifications: <https://ecampus.tatiuc.edu.my/pelajar/apply.php>

Others: http://ecampus.tatiuc.edu.my/pelajar/apply_olevel.php

For further enquiries:

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