

Level 5 Diploma in POWER PLANT AND POWER SYSTEM TECHNOLOGY



Programme Overview

Diploma Level 5 programme in Politeknik Brunei.

Aim to meet the demands of Petrochemical Operators for Hengyi Industries Sdn. Bhd.

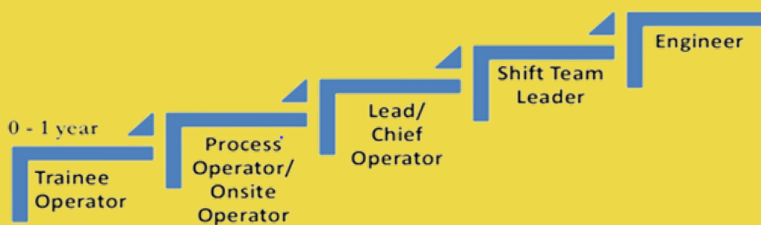
THREE (3) YEARS study

Two (2) years classroom based learning in Lumut Campus, Politeknik Brunei.

One (1) year industrial based learning at Hengyi Industries Sdn. Bhd.

Career Progression

Upon completing the programme, you will have the opportunity to be employed by Hengyi Industries Sdn. Bhd. as a Petrochemical operator.



**Subject to changes from Hengyi Industries Sdn Bhd*

Other career opportunities:-

- Petrochemical plant industries
- Oil depot and shipping industries

Academic Progression

Study progression to Bachelor's Degree level are recommended in the following fields (subjected to CGPa obtained):

**Subjected to CGPA attained and the university admission requirements*

- Univesiti Brunei Darussalam (UBD)
 - General Engineering
- Universiti Teknologi Brunei (UTB)
 - Electrical and Electronics Engineering

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List of Modules

Semester 1

- Health, Safety, Security and Environment
- Pengajian Melayu Islam Beraja
- Pendidikan Islam
- Engineering Mathematics 1
- Communication Skills for Engineering
- Introduction to Oil and Product

Semester 2

- Information Technology
- Engineering Mathematics 2
- Fundamentals of Electrical Circuits 1
- Electrical Drawing
- Electrician Training and Regulation
- Language

Semester 3

- Entrepreneurship Basics
- Fundamentals of Electrical Circuits 2
- Electro mechanics
- PLC Application and Training
- Electrical Control Technology
- Language

Throughout 3 years programme

- EM1108 Enrichment

Semester 4

- Power Systems automation
- Power Plant and Substation Electrical Equipment
- High voltage technology
- Power system protection
- Power supply and distribution technology
- Power Systems automation
- language

Semester 5 & 6

- Orientation Training
- Electrical Operation Post Training
- Electrical Maintenance Post Training

Testimony

"For a start, I would like to express my gratitude to all of my dedicated lecturer for helping us in studies especially during this 2nd covid-19 outbreak, helping us on any enquiries even after office hours. Studying in PB is a dream come true for me and enroll in one of the promising course in joint collaboration between pb and hengyi give me significant hindsight that I'm be able to improve more on my knowledge and further enhance my hands-on skills and for that my classmates has been very helpful and supportive towards eachother, dedicate to achieve current goals and lastly I hope that with all hard work and efforts we being putting through, all will be going as plans."

Muhd Zulfaqar bin Haji Ramli
(20FTP1515)

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