

Level 5 Diploma in STORAGE & TRANSPORTATION TECHNOLOGY



Programme Overview

Three-year Level 5 Diploma programme comprises six semesters and it is a collaboration between Politeknik Brunei and Hengyi Industries Sdn. Bhd.

Diploma in Storage and Transportation Technology is an oil and gas field which studies the technology used for storage, such as vessels and gas tanks, and transportation, such as pipelines and ships, of oil and gas products. By the end of the programme, our graduates are expected to be able to:

- Analyse the composition of different oil and gas products
- Maintain and calibrate equipment related to storage and transportation of petrochemical
- Gauge and measure the properties of oil and gas products with respect to the plant standards
- Carry out risk assessment of the safety and operation of oil depot

The programme consisted of two years classroom-based learning at Lumut Campus, Politeknik Brunei and one year industrial-based learning at Hengyi Industries Sdn. Bhd.

Testimony

Patrick Yap Raymundo
Intake 11 Student
Diploma in Storage and Transportation
Technology

"First of all, the study was fascinating and well managed by my wonderful lecturers. So far, I am able to adapt my learning throughout COVID-19 pandemic. Furthermore, I am surrounded by my 15 spectacular classmates and they are super hardworking and lovely. Finally, I hope that all my studies will fulfill the requirements to the job that I desire to do work on. For example, I hope that my job suits the environment to the place where I belong, which is my family."

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List of Modules

Semester 1

- HS1101 Health, Safety, Security and Environment
- GS1101 Pengajian Melayu Islam Beraja
- GS1102 Pendidikan Islam
- GS1127 Mathematics for Science
- GS1118 Communication Skills
- ST1201 General Chemistry

Semester 2

- ST2201 Chemical Drawing and CAD
- ST2202 Electrical and Electronics Technology
- ST2203 Engineering Hydrodynamics
- ST2204 Pyrology Foundation
- ST2205 Chemical Unit Process and Equipment
- LA2501 Language

Throughout 3 years programme

- EM1108 Enrichment

(Industrial Base Learning)

Semester 5 & 6

- ST5301 Professional Knowledge and Competency 1
- ST5302 Professional Knowledge and Competency 2

Semester 3

- ST3201 Technology and Equipment of Oil Depot
- ST3202 Introduction to Oil and Product
- ST3203 Pumps and Compressors
- ST3204 Corrosion Control in The Refining Industry
- ST3305 Instrument and Automation of Storage and Transportation
- BE1102 Entrepreneurship Basics
- LA2501 Language

Semester 4

- ST4301 The Basic Safety Knowledge of Port and Ship and Port Security
- ST4302 Production Technology of Oil Depot
- ST4303 Measurement Technology of Oil Product
- ST4304 Storage and Transportation of Liquefied Hydrocarbons
- ST4305 Safety Technology and Management of Oil Depot
- IS1212 Information Technology
- LA2501 Language

Testimony

Alfeus Bin Kula
Intake 11 Student
Diploma in Storage and Transportation Technology

"I am a first batch student from this course and just pursued 1st semester. As far as I know, we had learnt the most important module in the first place and it is very much related with our future job, General Chemistry which is covering basic theory in chemistry. Apart from that, we had gone through each assignment per module in a group to learn teamwork, sharing ideas, communicate and brainstorming. Once completed 3 years, students will have their opportunities to become petrochemical operators at Hengyi Industries Sdn. Bhd."

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Career Progression

Upon completion of the programme, graduates will have the opportunity to be employed by Hengyi Industries Sdn. Bhd as Operator Trainee..



**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 attained and the university admission requirements*

- UBD
 - General Engineering
 - Chemical and Process Engineering
- UTB
 - Chemical Engineering
 - Petroleum Engineering
 - Mechanical Engineering

