

Level 5 Diploma in Science Technology (Chemical Laboratory Technology)

This programme is designed with the intention to produce graduates who have the essential skills and knowledge, capable in carrying out various laboratory analysis and practical works independently.

Among other things, our graduates should be able to:

- Calibrate, prepare and operate various laboratory tools and equipment for analysis.
- Perform a variety of laboratory testing and analysis in chemistry and microbiology laboratories.
- Implement good laboratory practices.
- Understand Quality Control and Quality Management in clinical, pharmaceutical and food science laboratories.

Career & Progression

Work in relevant laboratories such as in hospitals, schools, research and higher education institutions, food science department, water treatment plants and petroleum industry.

Academic progression to local or international universities. *Subject to CGPA attained

Entry Requirement

Admission to Politeknik Brunei programmes must satisfy the **Minimum Entry Requirement** of each programme. For reference, visit PB Website: http://www.pb.edu.bn/SiteCollectionDocuments/ER_2019_V3.pdf or scan the QR Code below:



Testimonial

“Those who aim to be a scientist and love to do research will absolutely enjoy the course. This programme provides us with various laboratory skills and equips us with theoretical knowledge so that we can carry out analysis on environmental, food, biological as well as chemical samples independently. I believe graduates of DiST can acquire laboratory-based work in industries, schools, research institutions as well as hospitals.”

Abdul Faizul Azim bin Faudillah

Award Recipient for 2018 - Academic Excellence Award for Level 5 Diploma in Science Technology (Chemical Laboratory Technology)
Politeknik Brunei 4th Convocation
(He is currently pursuing his Degree in Biomedical Sciences in University of Brunei Darussalam)

Level 5 Diploma in Science Technology (Chemical Laboratory Technology)

Programme Information	
Level 5 Diploma Equivalence	Higher National Diploma
Duration of Study	3 Years (6 Semesters)
Commencement of 2019/2020 Academic Year	July 2019
Campus Location	School of Science & Engineering, Lumut
No of Modules	29 modules (90 Credit Value)

Programme Structure	
No	Module Title
1.	Communication Skills for Engineering I
2.	Health, Safety, Security & Environment
3.	Mathematics for Science
4.	Pendidikan Islam
5.	Pengajian Melayu Islam Beraja
6.	General Chemistry
7.	Communication Skill for Engineering II
8.	Analytical Instrumentation I
9.	Biochemistry
10.	Basic Laboratory Skills and Techniques
11.	General Biology
12.	Inorganic Chemistry
13.	Entrepreneurship
14.	Analytical Instrumentation II
15.	Chemistry Laboratory Techniques
16.	Fundamentals of Organic Chemistry
17.	Introduction to Microbiology
18.	Physical Chemistry
19.	Applied Microbiology
20.	Food Chemistry
21.	Environmental Chemical Analysis
22.	Green Chemistry
23.	Material Science
24.	Industrial Processes
25.	Medicinal Chemistry
26.	Quality Control and Assurance
27.	Final Year Project
28.	Internship
29.	Enrichment



GET IN TOUCH WITH US



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