

# LEVEL 5 DIPLOMA IN HEALTH SCIENCE (CARDIOVASCULAR TECHNOLOGY)

Level 5 Diploma in Cardiovascular Technology is an exciting new programme on offer at Politeknik Brunei under the School of Health Sciences. It offers students an insight into the ever evolving field of cardiovascular diagnostics.

The programme adopts an integrated clinical approach; giving students the opportunity to experience both invasive and non-invasive cardiovascular laboratories early on. This will leave them in good stead for a future career in the field.

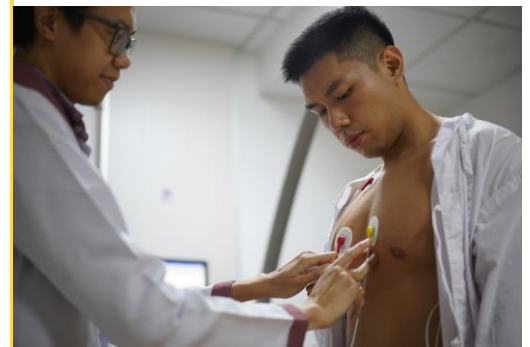


## CAREER PROSPECT

Cardiovascular disease remains one of the top killers worldwide.

This creates high demand for well-qualified cardiovascular technologists.

Graduates of this programme will enjoy employment opportunities in various health settings; both hospital as well as community-based particularly in this era of early detection and prevention of cardiovascular diseases.



## GOALS AND OBJECTIVES

### 1. **Cardiovascular physiology**

Basic sciences and physiology are fundamentally important in this field and is taught throughout the course.

### 2. **Disease pathology and clinical correlation**

Students will be taught on cardiovascular disease processes and its management. This will provide perspective to the cardiovascular diagnostic procedures they are undertaking.

### 3. **Technical and analytical proficiency**

Acquire the technical expertise in performing various cardiovascular diagnostic modalities along with the ability to analyze the data collected for correct clinical application.

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## Programme Overview

### Year 1

Pendidikan Islam  
Pendidikan Melayu Islam Baraja  
Cardiovascular Anatomy  
Mathematics for Health Sciences  
Information and Communication Technology  
Clinical Pharmacology  
Cardiovascular Physiology  
Communication Skills for Health Professionals  
Microbiology  
Electrocardiography  
Clinical Attachment

### Year 2

Invasive Cardiovascular Laboratory  
Non-invasive Cardiovascular Laboratory  
Adult Cardiology  
Adult Echocardiography  
Paediatric Cardiology  
Paediatric Echocardiography  
Electrophysiology and Cardiac Devices  
Clinical Attachment

### Year 3

Enrichment  
Evidence Based Project  
Cardiac Surgery  
Leadership Management  
Vascular System  
Clinical Attachment  
Internship