



ISO 9001:2015 Certified

Bachelor of Cardiopulmonary and Perfusion Technology (Hons)

KPT/JPS (PA 12420)05/29

PROGRAMME DESCRIPTION

The primary goal of the Bachelor of Cardiopulmonary and Perfusion Technology (Hons) programme at Lincoln University College is to educate cardiovascular perfusion students intellectually and clinically for professional practise. As allied healthcare experts with advanced training in the latest technology in their specialisation, they will be in high demand both inside the country and abroad. These graduates will play an essential role in deciding the quality of health care given.

Cardiothoracic anatomy, physiology, and pathophysiology, as well as pharmacology, foetal and neonatal heart development, and perfusion science, are all covered in the curriculum. These students will be able to fully support anaesthetists and surgeons in a high-tech anaesthesia and surgical theatre.

PROGRAMME AIM

The program of Bachelor of Cardiopulmonary and Perfusion Technology (Hons) program will produce professionals who are:

- Knowledgeable to apply critical thinking in cardiopulmonary and perfusion technology.
- Competent to practice and possess interpersonal skill to communicate with other healthcare professional.
- Professionals and capable to work ethically and protrude personal skills as well as digital skills in the healthcare environment and practice.
- Show adequate leadership skill and responsibilities with the excellent numeracy skills in in cardiopulmonary and perfusion technology.
- Able to demonstrate entrepreneurial skills.

CAREER OPPORTUNITIES

Graduates of this programme can work in a variety of settings, including the healthcare industry, private machine manufacturing companies, technical design firms, government-funded programmes, and cardiac perfusion graduates for operation. They will be well prepared to follow several career paths, including:

1. Perfusion Technologist
2. Medical Case Review Physician
3. Cardiovascular Perfusionist
4. Respiratory Perfusionist
5. Perfusion Technological Consultant

PROGRAMME DURATION

Minimum Duration : 48 Months.
Maximum Duration : 96 Months.

INTAKE AND ENTRY REQUIREMENTS

Intake:

1. January , 2. May, 3. September

Entry Requirements:

Pass Sijil Tinggi Persekolahan Malaysia (STPM)/Matriculation/A-Level/Pre- University program or its equivalent with minimum Cumulative Grade Point Average (CGPA) of 2.75 in the following subjects:

- Biology
- Chemistry

And five credits or equivalent at the Sijil Pelajaran Malaysia (SPM) level, three of which in the following subjects*:

- Biology
- Mathematics
- Physics
- Chemistry
- English

*Note: However, depending on the field of study, an institution may insist that the students obtain credits in all the listed subjects. or

Related Diploma (Level 4, Malaysian Qualifications Framework, MQF) from recognized institutions with minimum CGPA of 2.75; or

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Related Diploma (Level 4, MQF) from recognised institutions with CGPA below than 2.75 and a minimum of 3 years (36 months) working experience in the same field.

English Proficiency for Foreign Students

International students are required to achieve a minimum score of 5.5 for International English Language Testing System (IELTS) or its equivalent. If the student does not fulfil the above criteria, then Lincoln University College must offer English proficiency course to ensure that student is proficient in the language to the standard required by the program.

LIST OF COURSE/MODULE OFFERED IN THE PROGRAMME

SI. No.	Subject Name
1	Human Anatomy
2	Human Physiology
3	Biochemistry
4	Islamic Civilization and Asian Civilization (TITAS)
	Malay Language Communication 2
5	Behavioural Science
6	English I
7	English II
8	Ethnic Relations
	Malaysian Studies 3
9	Patient Care and Professionalism
10	Anatomy & Physiology of Cardiovascular
11	Pathology
12	Sterile & Surgical Asepsis
13	Haematology
14	Microbiology
15	Pharmacology
16	Physics
17	Entrepreneurship
18	Leadership Skills and Human Relations
19	Malaysian Government and Public Policy
20	Electrocardiography

SI. No.	Subject Name
21	Epidemiology
22	Echocardiography
23	Community Service
24	Perfusion Instrumentation and Equipment
25	Diagnostic Equipment and Instrumentation
26	Interventional Cardiology
27	Cardiopulmonary Bypass & Complication
28	Organ protection during CPB and blood management
29	Mechanical Support and Perfusion in Special Procedure
30	Basic Surgery & Monitoring
31	Research Methodology
32	Paediatric Cardiac Surgery Procedures
33	Electrophysiology
34	Perfusion for Paediatric
35	CPR, ACLS & PALS
36	Clinical Practice I
37	Final Year Project I
38	Clinical Practice II
39	Final Year Project II



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