

# Bachelor of Biomedical Sciences (Honours)

(R/720/6/0068) (11/26) (MQA/FA 3170)

## PROGRAMME DESCRIPTION

The Bachelor of Biomedical Sciences program at Lincoln University College offers candidates a comprehensive foundation in medical sciences, preparing them for a wide range of roles in research, diagnostics, healthcare innovation, and academic development. Core modules encompass human anatomy, physiology, pathology, molecular biology, immunology, pharmacology, and clinical biochemistry, complemented by university-approved elective modules that promote interdisciplinary learning.

This academically rigorous program is intentionally designed to cultivate future biomedical scientists and healthcare professionals who can make significant contributions to clinical and translational research, as well as to the public health sector. Graduates of this program receive training to integrate scientific knowledge with practical laboratory skills, adhere to ethical research practices, and demonstrate analytical reasoning in diagnostic problem-solving.

Lincoln University College provides a four-year undergraduate program in Biomedical Sciences that empowers students to pursue careers in diagnostic laboratories, clinical research centers, academia, pharmaceutical companies, and regulatory bodies. On campus, students benefit from hands-on training in state-of-the-art facilities, including simulated laboratories, anatomy suites, and molecular diagnostic platforms. Additionally, off-campus internships and attachments at partner hospitals, diagnostic centers, and biotech labs offer valuable real-world exposure to biomedical practice and research.

Upon program completion, graduates will be proficient in investigating disease mechanisms, supporting diagnostic workflows, and contributing to community and global health through scientific innovation.

The field of biomedical science covers preventive, diagnostic, and investigative health services, bridging basic science with clinical applications to enhance patient care and advance research.

This program is accredited by the Malaysian Qualification Agency (MQA) and approved by the Ministry of Higher Education (MoHE), ensuring alignment with national education standards and international recognition.

**Pursuing a degree in biomedical science is an excellent choice for students passionate about understanding human health at the molecular level and contributing to innovations that will shape the future of medicine.**

## CAREER OPPORTUNITIES

Graduates have the knowledge and experience appropriate for commencing a career in biomedical research, for example laboratories in hospitals, research institutes, universities or private companies. Many graduates have successfully used this program as a pathway towards further study in graduate entry medicine or allied health programs. Bachelor of Biomedical Sciences (Hons) Job Types includes-

- Lecturer in the field of Biomedical Sciences
- Biomedical Scientist
- Biochemist
- Research Scientist
- Laboratory Manager
- Life Scientist
- Pharmaceutical Scientist
- Environmental Scientist
- Neuroscientist
- Diagnostic Technician
- Public health advisor

## PROGRAMME AIM

The program aims to create graduates with the essential and advanced knowledge in current concepts of life sciences, physical sciences, and interdisciplinary studies. The objective of the course is to prepare the students in analytical skills and laboratory techniques routinely applied in biomedical research and other essential related skills. The students gain a comprehensive understanding in their field, focusing on ideas, theories and professional practices. The purpose is to apply the knowledge to help the society to develop in a positive way.

## INTAKE AND ENTRY REQUIREMENTS

March, July, November

Pass the Malaysian Higher School Certificate (STPM) / Matriculation / A-Level / Pre-University Programme or other nottafiau equivalent with a minimum CGPA of 2.50 the following subjects:

- Biology / Physics
- Chemicals;

AND Passed the Certificate of Education (SPM) / O-Level with 5(5) credits, of which three (3) credits in the following subjects:

- Life Sciences
- Physics
- Mathematics
- Chemistry
- English;

OR

Passed Diploma (Level 4) nottafiau Framework (MOF) in a related field from any HEP with minimum CGPA of 2.75; OR

Diploma (Level 4, MOH) in a related field from any HEP with a CGPA of less than 2.75 and has a work experience of at least three (3) years (36 months) in a related field.

Competence of English for international students: Getting a score of 5.5 for IELTS or TOEFL minimum score of 550.

## PROGRAMME DURATION

Full Time : Full time: 4 years; Part time: 6 years

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Call us : **1 300 880 111 (Malaysia)**  
**+603 78063478 (International)**

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No. 2, Jalan Stadium, SS 7/15, Kelana Jaya, 47301, Petaling Jaya, Selangor Darul Ehsan, Malaysia.

## LIST OF COURSE/MODULE OFFERED IN THE PROGRAMME

No	MQA Subject Code	Subject Name	Credit
I	BMS1113	Human Anatomy and Physiology I	3
2.	BMS1123	Cell Biochemistry & Genetics	3
3.	BMS 1133	Psychology and Behavioral Science	3
4.	(BMS 1143	Laboratory Science and Instrumentation	3
5.	ENG613	ENG	3
6.	MPU 3193	Kursus Falsafah dan isu semasa (Philosophy and Current issues course)	3
	MPU 3143	Malay Language Communication 2 (International)	
7.	MPU 3183	Penghayatan Etika dan peradaban (Appreciation of Ethics and Civilizations)	3
8.	BMS 1213	Human Anatomy and Physiology II	3
9.	BMS 1223	Human Biochemistry	3
10.	BMS 1233	Epidemiology	3
II	BMS 1243	Basic Health Informatics	3
12.	BMS 1253	Human Genetics	3
13.	MPU3212	Human Relations and Leadership Skills	2
14.	BMS 2313	Basic Immunology	3
15.	BMS 2323	Molecular Biology Techniques	3
16.	BMS 2333	Basic Microbiology	3
17.	BMS 2343	Basic Hematology	3
18.	BMS 2353	Health & Community	3
19.	MPU 3312	Malaysian government and public policy	2
20.	BMS2413	Pathology	3
21.	BMS 2423	Pharmacology & Toxicology	3
22.	BMS 2433	Parasitology and Entomology	3
23.	BMS 2443	Transfusion Science and Phlebotomy	3
24.	MPU3412	Community Service	2
25.	BMS 2456	Biomedical Practicum I	6
26.	BMS 3513	Systemic Pathology and Cytology	3
27.	BMS 3523	Clinical Biochemistry	3
28.	BMS 3533	Medical Microbiology	3
29.	BMS 3563	Advanced Pharmacology	3
30.	(BMS 35 76	Biomedical Practicum II	6
31.	BMS 3613	Laboratory Animal Sciences	3
32.	BMS 3623	Advanced Hematology & Blood Banking	3
33.	BMS 3633	Intellectual properties, Bioethics, Biosafety & Biosecurity	3
34.	BMS 3656	Industrial Training	6
35.	BMS4712	Final Year Project I	2
36.	BMS4723	Research Methodology	3
37.	BMS4733	Medical technology and engineering	3
38.	BMS4791	Entrepreneurship in Healthcare Profession	1
39.	BMS4743	Health Management, Entrepreneurship & Economy	3
40.	BMS4753	Health Communication & Education	3
41.	BMS4763	Ethics & Laws of Health Professional	3
42.	BMS4773	Environmental Microbiology	3
43.	BMS4783	Nutrition and Health	3
44.	BMS4814	Final Year Project II	4
45.	BMS4823	Medical Biostatistics	3
46.	BMS4833	Personal and Professional Development	3
47.	BMS 4843	Special Topics in Biomedical Sciences	3



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