



Bachelor of Biomedical Sciences (Honours)

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

PROGRAMME DESCRIPTION

The Bachelor of Biomedical Sciences (Honours) program of Lincoln University College allows the students to focus on the human body at the molecular, cellular and whole body levels. They will also acquire knowledge about the disciplines of biochemistry and cell biology, physiology, developmental biology, microbiology, pharmacology and neuroscience as well as advanced study in research. This course can be a gateway to working in many fields like education, research, sales, medical practice, hospital and institutional work. Biomedical sciences are the foundation of knowledge for all health care professionals.

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.

PROGRAMME DURATION

Full Time : 4-6 yrs

INTAKE AND ENTRY REQUIREMENTS

January, July, October

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

- Biology / Physics
- Chemicals;

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

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

OR

Passed Diploma (Level 4 Qualification 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.

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

LIST OF COURSE/MODULE OFFERED IN THE PROGRAMME

No	MQA Subject Code	Subject Name	Credit
1.	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.	ENG 613	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
11.	BMS 1243	Basic Health Informatics	3
12.	BMS 1253	Human Genetics	3
13.	MPU 3212	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.	BMS 2413	Pathology	3
21.	BMS 2423	Pharmacology & Toxicology	3
22.	BMS 2433	Parasitology and Entomology	3
23.	BMS 2443	Transfusion Science and Phlebotomy	3
24.	MPU 3412	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.	BMS 4712	Final Year Project I	2
36.	BMS 4723	Research Methodology	3
37.	BMS 4733	Medical technology and engineering	3
38.	BMS 4791	Entrepreneurship in Healthcare Profession	1
39.	BMS 4743	Health Management, Entrepreneurship & Economy	3
40.	BMS 4753	Health Communication & Education	3
41.	BMS 4763	Ethics & Laws of Health Professional	3
42.	BMS 4773	Environmental Microbiology	3
43.	BMS 4783	Nutrition and Health	3
44.	BMS 4814	Final Year Project II	4
45.	BMS 4823	Medical Biostatistics	3
46.	BMS 4833	Personal and Professional Development	3
47.	BMS 4843	Special Topics in Biomedical Sciences	3



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