LINCOLN UNIVERSITY COLLEGE
DKU016 (B)

2022 SETARA COMPETITIVE UNIVERSITY COLLEGE

ISO 9001:2015 Certified

Master of Science in Biotechnology

(R/0512/7/0002) (07/29) (MQA/FA8823)

PROGRAMME DESCRIPTION

The Master of Science in Biotechnology (by research) is a research oriented well-balanced program designed to teach experimental skills in regard to updated and recent problems in biotechnology. In the present time the knowledge of biotechnology can help us to manipulate organisms at the molecular level via genes. The course will also help the students to specialize in research and development, public advocacy, and entrepreneurship. The course focuses on the medical, environmental and agricultural applications of biotechnology and also ensures that the students are aware of the diversity of biotechnology research and enterprize, including exploration of entrepreneurship opportunities. Students can choose any one of the listed specialty for broadening the learning horizons or develop the scientific understanding that encourages independent thinking in the area of relevant applications of biotechnology.

For successful completion of Masters degree in LUC, each candidate should publish minimum of Two research articles in scopus indexed journals, with Lincoln affiliation.

PROGRAMME AIM

The aim of the course is to present relevant skills and technologies that will provide the students a career based on the global biotechnology and pharmaceutical industries, as well as to pursue academic research careers. The students will gain a thorough knowledge and practical skills of their specialized research area related to biotechnology. The program of Master in Biotechnology will produce Biotechnologist who are:

- Knowledgeable in the field of biotechnology so as to contribute to socio-economy of the society.
- Technically competent to conduct research and embraces life-long learning.
- Aware of current issues and technological advancement in biotechnology taking into account relevant commercial, ethical and legal issues.
- Competent in communication and interpersonal skills as well as capable of providing leadership and teamwork in the organization he/she works in.
- Innovative with analytical and problem-solving skills in order to evaluate and make the critical decision based on research evidence.

Call us :

1 300 880 111 (Malaysia)
+603 78063478 (International)

Web : www.lincoln.edu.my | E-mail : info@lincoln.edu.my

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

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PROGRAMME DURATION

Full Time : 24 Months
Part Time :36 Months

CAREER OPORTUNITIES

The proposed program would produce highly qualified and professional workforce for the next wave of global economic activities that will revolve around the industrialization of the biotechnology. Professional can serve in various industrial sectors such as food and beverages industry, textiles industry, biological products, medicines, and pharmaceuticals. While on the other hand, this branch of science caters to the requirements of agriculture, animal husbandry, nutrition and environmental conservation. A biotechnologist may find jobs in various quarters. Students can mainly explore job options in the following fields:

- Drug and pharmaceutical research
- Public funded laboratories
- Chemicals
- Environment control
- Waste management
- Energy
- Food processing industries
- Bio-processing industries

INTAKE AND ENTRY REQUIREMENTS

Intake: Ongoing

Entry Requirements:

i. A Bachelor's degree (Level 6, MQF) in a related field with a minimum CGPA of 2.75, or its equivalent, as accepted by the HEP Senate;
OR
ii. A Bachelor's degree (Level 6, MQF) in a related field with at least CGPA of 2.50 and has not achieved CGPA 2.75, or its equivalent can be accepted subject to a rigorous internal assessment;
OR
iii. A Bachelor's degree (Level 6, MQF) in related field but has not achieved CGPA of 2.50, or its equivalent can be accepted subject to a minimum of 5 years' working experience in the relevant field.

English competency for international students
International students are required to achieve a minimum score of 5.5 in IELTS OR Band 3 in MUET OR its equivalent.

LIST OF COURSE / MODULE OFFERED IN THE PROGRAMME

Sl. No.	Subject Name
1	Research Methodology
2	Computer Application
Research work on any one of the following Speciality (Elective Major)	
3.1	Genetics and Molecular Biology
3.2	Bio-Informatics & Biostatistics
3.3	Plant Biotechnology
3.4	Enzyme Technology
3.5	Bioprocess Engineering & Technology
3.6	Medical Biotechnology
3.7	Environmental Biotechnology
3.8	Pharmaceutical Biotechnology
3.9	Animal Biotechnology
3.10	Business and Management in Bio-Technology

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