

PROGRAMME DESCRIPTION

The Master of Science in Biotechnology at Lincoln University College, offered via Open Distance Learning, equips students with multidisciplinary expertise covering molecular biology, genomics, proteomics, computational biology, and microbial epidemiology. Through a blend of theoretical and practical learning, the program emphasizes advanced techniques such as recombinant DNA technology, bioprocess engineering, drug and protein modelling, and quality control. Candidates are required to undertake a significant research project. Graduates are prepared for impactful roles in biotech industries, research & development, environmental and pharmaceutical sectors.

PROGRAMME AIM

The Master of Science (M.Sc.) in Biotechnology program aims to equip students with advanced knowledge and practical skills in molecular biology, genetic engineering, and bioinformatics, fostering innovation in healthcare, agriculture, and industry. It prepares graduates for research, development, and leadership roles in diverse biotechnological applications and interdisciplinary environments. The program aims to produce postgraduates who are:

- Knowledgeable and skillful in the theory and practice of areas of Biotechnology with the concept of research work.
- Proficient in applying, analyzing, problem solving as well as synthesizing by applying intellectual capabilities of critical thinking and analytical skills based on specialized approaches in Biotechnology research related task
- Skilled in Biotechnology such as utilizing higher order interpersonal and communication skills including leadership, autonomy, and responsibility by working within own team and collaboratively with other teams especially in complex situations
- Able to effectively utilize digital and numerical skills to design, plan, evaluate and using appropriate software and technologies in the enhancement of Master of Biotechnology programme.
- Capable of empowering integrity through professionalism and ethics in effectively engaging self-advancement in lifelong learning through continuous personal and professional development as experts in research skills based on Biotechnology as well as incorporating with entrepreneurial skills.

CAREER OPPORTUNITIES

A Master of Science (M.Sc.) in Biotechnology opens up diverse and dynamic career opportunities across various sectors, including industry, research, healthcare, agriculture, and education. Graduates can pursue careers in the following areas:

- Biomedical research
- Pathology laboratories
- Biotechnology and Pharmaceutical industries
- Bio analytical laboratories in government and private industry
- Reproductive biology industries
- Agricultural industries

PROGRAMME DURATION

Full Time: 18-36 Months

Call us :
1 300 880 111

web : [.lincoln.edu.my](http://lincoln.edu.my)
E-mail : info@lincoln.edu.my

INTAKE AND ENTRY REQUIREMENTS

March, July, November.

Entry Requirements:

- A Bachelor's Degree (Level 6, Malaysian Qualifications Framework [MQF]) in a related field (Eg. Biology, Biochemistry, Biotechnology, Microbiology, Bioscience, Chemistry, Chemical Engineering, Bioprocess Engineering, Genetics of equivalent) with a minimum Cumulative Grade Point Average (CGPA) of 2.75, or its equivalent, as accepted by the Lincoln University College Senate;
OR
 - A Bachelor's Degree (Level 6, MQF) in a related field (Eg. Biology, Biochemistry, Biotechnology, Microbiology, Bioscience, Chemistry, Chemical Engineering, Bioprocess Engineering, Genetics of equivalent) 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
 - A Bachelor's Degree (Level 6, MQF) in related field (Eg. Biology, Biochemistry, Biotechnology, Microbiology, Bioscience, Chemistry, Chemical Engineering, Bioprocess Engineering, Genetics of equivalent) 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.
- d) International students are required to achieve a minimum score of 5.5 in International English Language Testing System (IELTS) OR Band 3 in Malaysian University English Test (MUET) OR its equivalent.

LIST OF COURSE / MODULE OFFERED IN THE PROGRAMME

Sl. No.	Subject Name	Credits
1	Advance Biochemistry	4
2	Biosafety and Bioethics in Biotechnology	4
3	Research Methodology & Biostatistics	4
4	Computational Biology	4
5	Enzyme and Protein Purification Technology	4
6	Fermentation Technology & Bioprocess Engineering	4
Elective Subjects (Choose any two)		
7	Current Trends in Medical Biotechnology	3
8	Environmental Bioengineering	3
9	Food Biotech & Functional Foods	3
10	Artificial Intelligence in Biotechnology	3
11	Agricultural Biotechnology	3
12	Bio-entrepreneurship	3
13	Research Project	10

Call us :
1 300 880 111

web : lincoln.edu.my
E-mail : info@lincoln.edu.my