

BACHELOR OF SCIENCE (HONS) BIOTECHNOLOGY

JPT/BPP(R3/0512/6/0045)11/29, (MQA/A9990)

DESCRIPTION OF PROGRAMME

Our programme is a cutting-edge, interdisciplinary degree programme that has been designed with input from industry experts and academic professionals. You will have the opportunity to engage in hands-on laboratory sessions, which will allow you to apply your theoretical knowledge in practical situations. These practical experiences will assist you in developing essential laboratory skills and techniques that are vital in the fields of biotechnology.

The industry relevant subjects offered at Nilai University cultivate students that are highly-sought by the industries. The emphasis on stringent Quality Assurance and Quality Control, Good Manufacturing Practices and relevant Good Practices prepares students for diverse career opportunities in biotechnology.

PROGRAMME HIGHLIGHTS

- Current curriculum
- Interesting electives
- Industry relevant subjects
- Emphasis on practical skills
- A variety of internship partners
- Great affordability with exclusive scholarships

INTAKE

January / June / September

DURATION

3 Years



CAREER PROSPECTS

- Biochemist/Microbiologist
- Biotechnologist
- Research Scientist
- Quality Assurance Executive
- Science Educator
- Product Manager
- Process Development Scientist
- Manufacturing Executive
- Clinical Researcher
- Medical Writer

UP TO 100% SCHOLARSHIPS & FINANCIAL AID AVAILABLE!



PROGRAMME MODULE

Year 1

Core Modules

- Understanding Biotechnology
- Introductory Biology
- General Chemistry
- Statistics
- Genetics
- Microbiology
- General Biochemistry
- Biotechnology Practical I
- Foundation of Business
- Cell and Molecular Biology
- Biodiversity and Environmental Bioresources

Year 2

Core Modules

- Bioinformatics
- Organic Chemistry
- Industrial Microbiology
- Cell and Tissue Culture
- Biotechnology Practical II
- Innovation and Commercialisation
- Quality Assurance and Quality Control
- Research Methods and Design
- Elective I

Year 3

Core Modules

- Cell and Molecular Biology Laboratory
- Introduction to Bioprocess Engineering
- Industrial Good Practices
- Elective II (1 course)
- Research Project I
- Research Project II
- Internship

Electives related to core:

Elective I (Choose 1 from 2 tracks below)

Track 1 – Medical Biotechnology

- Introduction to Forensic Science
- Drug and Pharmaceutical Technology
- Immunological Techniques in Biotechnology

Track 2 – Food and Agricultural Technology

- Food Security
- Smart Farming Technology
- Food Science and Technology

Elective II (Choose 1 from 3 courses below)

- Plant Cell and Tissue Culture Techniques
- Protein Technologies
- Environmental Biotechnology

SUMMARY OF ENTRY REQUIREMENTS

DURATION	QUALIFICATION	COURSE ADMISSION CRITERIA
Full time: 3 years	STPM or equivalent	Pass with minimum Grade C (GPA 2.00) in any two (2) subjects and SPM with three (3) credits including Mathematics and one (1) Science subject; or
	A-Levels	Pass with minimum Grade D in any two (2) subjects and possess SPM or equivalent with three (3) credits including Mathematics and one (1) Science subject; or
	United Examination Certification (UEC)	Pass with at least Grade B in five (5) subjects inclusive of Mathematics and one (1) Science subject; or
	STAM	Pass with minimum grade of Jayyid and SPM with three (3) credits in Mathematics and one (1) Science subject; or
	Foundation/Matriculation	Minimum CGPA 2.00 and possess SPM or its equivalent with three (3) credits including Mathematics and one (1) Science subject; or
	Diploma (Level 4, MQF) in a related field	Minimum CGPA 2.00; or its equivalent

ENGLISH REQUIREMENTS

International students are required to achieve a minimum score of 5.0 (IELTS) / 7.5 TOEFL (Ess OL) 40 (iBT) / 47 (Pearson) / 107 (ELS) / 154 (Linguaskill OL) / 3.5 (MUET)


For a full breakdown of the entry requirements, please refer to our website at www.nilai.edu.my


CONNECT WITH US:

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ENQUIRE NOW!

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