**DIPLOMA IN BIOTECHNOLOGY**

**BSc (Hons) BIOTECHNOLOGY**

**FACULTY OF BIOTECHNOLOGY & APPLIED SCIENCE**

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**Only 15 minutes from KLCC**
Diploma in Biotechnology is designed to produce human resources that are capable to apply their knowledge and skills in the fields of Biotechnology such as molecular, environment, bioprocess, agrochemical, and pharmaceutical. It is also suitable for those who have rural and want to transform natural resources into products.

Students will be exposed to practical knowledge in handling equipment, safety in laboratories, preparing media, basic skills in laboratories, molecular, and environmental. This is a 3-year program with one semester of industrial training. Students will be placed in suitable industries internship to gain knowledge and experience as part of their preparation to work in the Biotechnology field.

Apart from learning the subjects related to Biotechnology, students will also be able to develop their soft skills through presentations, co-curricular activities and entrepreneurship program.

### Program Information

**YEAR**
- **FIRST YEAR**
- **SECOND YEAR**
- **THIRD YEAR**

**SYLLABUS**
- **FACULTY OF BIOTECHNOLOGY & APPLIED SCIENCE**
- **Program Information**
  - **Core Subjects:**
    - Biochemistry
    - Natural Product
    - Bioprocess
    - Microbiology
    - Genetics
    - Food Technology
    - Protein Technology II
    - Entrepreneurship
    - Research Methodology
    - Application of Microbial Biochemistry And Biotransformation
    - Genetic Engineering
    - Industrial Enzyme
    - Conservation Biology and Natural Resources
    - Protein Technology I
    - Fermentation Technology
    - Waste Treatment And Environmental
    - Basic Statistics
    - General Chemistry
    - General Biology
    - Introduction to Biotechnology
    - Biotechnology Ethics

**Career Prospect**
- **Laboratory Technician**
- **Assistant Researcher (Various Field)**
- **Development and Commercialization**
- **Laboratory Assistant**
- **Assistant Researcher (Various Field)**
- **Development and Commercialization**
- **Marketing and Sales**
- **R&D Management**
- **Academic**
- **Entrepreneurship**
- **Policy Analysis**
- **Serious Counseling**
- **Government**
- **Industry**
- **Military**
- **Information Technology**
- **Medical and Health**
- **Environment**
- **Biotechnology**
- **Economics**
- **Civil Engineering**
- **Agriculture**
- **Food Technology**
- **Microbiological and Environmental**
- **Science**
- **Biotechnology**
- **Economics**
- **Civil Engineering**
- **Agriculture**
- **Food Technology**
- **Microbiological and Environmental**
- **Science**
- **Biotechnology"