

**Unleashing Potentials  
Shaping the Future**



## **CONTACT US**

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MASTER OF SCIENCE APPLIED BIOLOGY  
(AS730) MIXED-MODE  
([uitm.edu.my](http://uitm.edu.my))

# **MASTER OF SCIENCE APPLIED BIOLOGY**

School of Graduates Studies  
**Faculty of Applied Sciences**

**AS 730**  
MIXED MODE



# Our Alumni

## SERVE TO COMMUNITY



**NOR SYAMIMI  
MOHAMMAD NAPIS**

Project Monitoring and Implementation  
Officer at Integrated Farming,  
Wisma FGV

**NURUL AMMAR  
ILLANI JAAFAR**

Research Officer at MARDI



**NURUL HUDA  
CHE ISA**

Microbiologist at Air Selangor Sdn Bhd



## Duration of Study

Minimum period of 1½ years (3 semesters) and a maximum of 3 years (6 semesters) for a full-time study

## Mode of Study

Methods of teaching include lectures, colloquiums, practical training and dissertation projects.

## Courses

### SEMESTER 1

**RESEARCH METHODOLOGY (3 CREDITS)**  
**ADVANCED BIOLOGY INSTRUMENTATION ( 3 CREDITS)**  
**SUSTAINABLE ECOSYSTEM (3 CREDITS)**  
**ELECTIVE (CHOOSE 1 ONLY) (3 CREDITS)**

### ELECTIVE COURSES

**FOOD BIOTECHNOLOGY (3 CREDITS)**  
**INNOVATIVE FOOD PRODUCTS ( 3 CREDITS)**

### SEMESTER 2

**APPLIED BIOLOGY DISSERTATION I (13 CREDITS)**

### SEMESTER 3

**APPLIED BIOLOGY DISSERTATION II (15 CREDITS)**

The Msc Mixed Mode program requires completion of **40 credits** hours for graduation

## Program Synopsis

This program focuses on the selected principles of Applied Biology with an emphasis on the current issues and problems that have impact on the everyday affairs. Candidates are required to complete 12 hours of coursework (30%) and 28 hours of research (70%) in three semesters.

### Field of research:

- Plant Physiology
- Animal Physiology
- Microalgae Biotechnology
- Ecology
- Biodiversity Conservation
- Microbiology
- Molecular Biology
- Proteomics
- Bioinformatics
- Cell Signaling
- Enzymology
- Genetics

## Admission Requirements

Bachelor of Science (Hons.) from UiTM in a related field with minimum CGPA of 2.75; OR

Bachelor's degree or its equivalent from other recognized universities approved by UiTM with minimum CGPA of 2.75.

A candidate applying for admission into this programme is required to submit a research proposal to the faculty. The acceptance of a candidate shall be at the discretion of the UiTM Senate, whose decision shall be final.