

BCS (HONS) APPLIED MICROBIOLOGY

FACULTY OF APPLIED SCIENCE

UiTM SHAH ALAM CAMPUS & UiTM KUALA PILAH CAMPUS

PROGRAMME CODE: AS257

DURATION: 3 1/2 YEARS

MODE: FULL TIME



UNIVERSITI
TEKNOLOGI
MARA

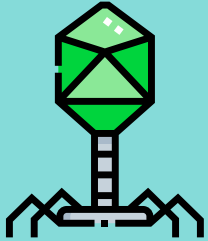
Fakulti
Sains Gunaan

CONTACT



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Website: <https://fsg.uitm.edu.my>

COURSE INFORMATION



IN THIS PROGRAMME

Microbiology is the study of living organisms that are too small to be seen by the naked eyes. Knowledge in microbiology is important in improving the quality of lives in terms of health, environment and food production. It also plays a main role in genetic engineering and other modern biotechnologies. In this programme students will learn the fundamentals in agriculture, environment, industry and medicine. Students can choose to specialise in any of the three tracks offered namely, agriculture and environment microbiology, industrial microbiology and medical microbiology in their second year

CAREER PROSPECTS

- Microbiologist
- Biotechnologist
- Science officer
- Research officer
- Quality control and assurance control
- Laboratory manager
- Biosafety officer
- Scientific product specialist
- Sales representative for scientific products
- Educationists



CAMPUS OFFERED

UiTM SHAH ALAM
UiTM KUALA PILAH



COURSES OFFERED

- CELL BIOLOGY AND GENETICS
- STATISTICS FOR SCIENCE AND ENGINEERING
- METHODS IN MOLECULAR BIOLOGY I
- BACTERIAL TAXONOMY AND DIVERSITY
- VIROLOGY AND OTHER ACCELLULAR AGENTS
- MICROBIAL MOLECULAR GENETICS
- MICROBIAL ECOLOGY
- BIOSAFETY AND BIOSECURITY



ENTRY REQUIREMENTS



Pass at SPM level/ equivalent.

(credit in Bahasa Melayu and a pass in History subject)



Pass STPM with at least CGPA 2.00.

(Grade C in General Studies)



Pass Matriculation / Foundation with at least CGPA 2.00.

(UiTM Foundation / Science Foundation)



Pass Diploma with at least CGPA 2.00.

(UiTM or other university recognized by Malaysia Government)



Obtained at least **Band 2 in Malaysian University English Test (MUET).**



MICROBIOLOGY COURSES IN SPECIALISED TRACKS

TRACK A (AGRICULTURE)

- PLANT BIOLOGY
- SOIL MICROBIOLOGY
- AQUATIC AND MARINE MICROBIOLOGY
- MOLECULAR DIAGNOSTIC
- ANIMAL AND PLANT BIOTECHNOLOGY

TRACK B (INDUSTRIAL)

- INDUSTRIAL APPLICATION
- MICROBES IN FOOD
- BIOPROCESS TECHNOLOGY
- ECONOMICS
- BIOREMEDIATION TECHNOLOGY

TRACK C (MEDICAL)

- HUMAN BIOLOGY
- IMMUNOLOGY
- HUMAN PATHOGENS AND INFECTIOUS DISEASE
- MOLECULAR DIAGNOSTIC
- PROTEOMICS