



UNIVERSITI MALAYSIA PAHANG  
AL-SULTAN ABDULLAH

# MASTER & PHD PROGRAMME IN RESEARCH MODE

SARJANA & DOKTOR FALSAFAH  
DALAM MOD PENYELIDIKAN

FACULTY OF INDUSTRIAL SCIENCES AND TECHNOLOGY  
UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH

## Programme Overview



Biological  
Science  
(BioSphere)

Chemistry for  
Advanced  
Technologies  
(ChemAT)

CLUSTER

Advanced  
Functional  
Materials (AFM)

Occupational  
Safety, Health, and  
Environment  
(OSHE)

## Advantages Of Programme



- ◆ Develops specialised knowledge in a focused research area.
- ◆ Trains students in critical thinking, data analysis, and scientific methods in Research Skills.
- ◆ Enables original research that advances the field.
- ◆ Opens doors to academic, R&D, and high-level industry roles.
- ◆ Encourages independent thinking and innovative problem-solving.
- ◆ Essential for those aiming for a career in academia or as a researcher.
- ◆ Allows flexibility in study direction, tailored to student interests.

## Field of Research (FOR)

- Biotechnology
- Physical Sciences
- Occupational Health and Safety

## Research Mode Programme

### MSc PROGRAMME

- Biotechnology (MQA/FA6098, MQA/FA6099)
- Physical Sciences (MQA/FA14327, MQA/FA12152, MQA/FA6100)
- Occupational Health and Safety (MQA/FA14325)

### PhD PROGRAMME

- Biotechnology (MQA/FA6102)
- Physical Sciences (MQA/FA12150, MQA/FA12148, MQA/FA6101, MQA/FA12159)
- Occupational Health and Safety (MQA/FA14647)

Kejuruteraan • Teknologi • Kreativiti



TEKNOLOGI  
UNTUK  
MASYARAKAT



## Career Prospect



### ▶ ACADEMIC SECTOR

- LECTURER OR SENIOR LECTURER (PhD)
- RESEARCH ASSISTANT OR ASSOCIATE (MSc/PhD)
- POSTDOCTORAL RESEARCHER (PhD)

### ▶ RESEARCH & DEVELOPMENT (R&D)

- RESEARCH SCIENTIST
- PRODUCT DEVELOPMENT SPECIALIST
- INNOVATION MANAGER

### ▶ INDUSTRY & CORPORATE

- TECHNICAL SPECIALIST OR CONSULTANT
- QUALITY CONTROL/ASSURANCE MANAGER
- PROJECT MANAGER

### ▶ GOVERNMENT & REGULATORY BODIES

- POLICY ADVISOR OR ANALYST
- SAFETY AND COMPLIANCE OFFICER
- ENVIRONMENTAL OR HEALTH INSPECTOR

### ▶ ENTREPRENEURSHIP & STARTUPS

- FOUNDER OF SCIENCE/TECH-BASED COMPANY
- RESEARCH COMMERCIALISATION SPECIALIST

## Entry Requirement



SCAN ME



## CONTACT US

- [study.umpsa.edu.my](http://study.umpsa.edu.my)
- [t.me/fistchat](https://t.me/fistchat)
- [fist.umpsa.edu.my](http://fist.umpsa.edu.my)
- [official.fist.ump](https://www.facebook.com/official.fist.ump)
- [unitpps\\_fsti@umps.edu.my](mailto:unitpps_fsti@umps.edu.my)



@FISTCHAT



## Research Programme

### DOCTOR OF PHILOSOPHY

- CONVENTIONAL
- REMOTE SUPERVISION
- FAST TRACK
- INDUSTRY
- PUBLICATION

### MASTER OF SCIENCE

- CONVENTIONAL
- REMOTE SUPERVISION



## Further Info



SCAN ME



MSc



PhD

FACULTY OF INDUSTRIAL SCIENCES AND TECHNOLOGY  
UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH  
LEBUH PERSIARAN TUN KHALIL YAAKOB,  
26300 KUANTAN, PAHANG