

# DOCTOR OF PHILOSOPHY IN MATHEMATICAL SCIENCES

(N/461/8/0031) (11/2027) (MQA/PA13965)

## BECOME AN EXPERT IN MATHEMATICAL SCIENCES



This research programme aims to prepare graduates for careers in the academia and industry by developing their mathematical skills with in-depth and advanced knowledge within their specific areas of mathematical sciences like abstract mathematics, mathematical and scientific computing, probability and statistical analysis. It also aims to inculcate in the students a systematic approach in conducting research with a balance between theory and methods, thereby leading to significant contributions to the body of knowledge and practice.



**COURSE DURATION  
AND MODE**

3 Years (Full-Time), 4 Years (Part-Time)

**COURSE LOCATION**

Kuala Lumpur

**INTAKES**

January, May and September

## COURSE SYLLABUS

**Year 1**

Semester 1

- Advanced Research Methods in Mathematical Sciences

Semester 2

- PhD Thesis

Semester 3

- PhD Thesis

**Year 2**

Semester 1

- PhD Thesis

Semester 2

- PhD Thesis

Semester 3

- PhD Thesis

**Year 3**

Semester 1

- PhD Thesis

Semester 2

- PhD Thesis

Semester 3

- PhD Thesis

## ENTRY REQUIREMENTS

**ACADEMIC REQUIREMENTS**

A Master's degree in Mathematical Sciences or other related areas that is accepted by the UCSI University Senate;

OR

Other qualifications equivalent to a Master's degree in Mathematical Sciences or other related areas that is accepted by the UCSI University Senate.

**ENGLISH LANGUAGE REQUIREMENTS:**

For Local and International Students

English language competency requirements are as follows: IELTS: 6.5; MUET- BAND 4; TOEFL iBT:79; Pearson Test of English: 63; Cambridge English Qualifications and Tests: 176.

Applicants who have an academic qualification from a higher learning institution which uses the English Language as a medium of instruction may be granted an exemption from the University English Language requirements.

International applicants who do not meet the English Language requirements will need to improve their proficiency by enrolling into the English for Tertiary Education programme (R/KJP/00920-00929) which helps them prepare for attaining a required band score. Placement into the various levels of the English for Tertiary Education programme depends on the English Language qualification students have at the point of admission and/or the outcome of the English Placement Test.

The applicants who have met the respective academic programme's English Language Requirement may be advised by Faculty to improve their proficiency by undertaking additional English proficiency courses.

## CAREER OPPORTUNITIES

- Data Scientist • Risk Analyst • Systems Analyst • Business Analyst • University Lecturer • Mathematician
- Statistician • Business and Industry Researcher

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**TOP 10 IN MALAYSIA**