



LINCOLN
UNIVERSITY COLLEGE
DKU016 (B)



ISO 9001:2015 Certified

Doctor of Philosophy in Data Science (By Research)

(N/0613/8/0002) (08/29) (MQA/PA15774)



PROGRAMME DESCRIPTION

The Doctor of Philosophy in Data Science gives broad exposure to key concepts and tools from Data analytics, AI, Machine Learning, and more knowledge and abilities to conduct data science-related research and discovery. The objective of this program is to discover information and facilitate innovation from complicated data and to discover in-depth knowledge of data-driven science about research and scientific methods, processes, and systems to extract knowledge or insights from data in various forms, either structured or unstructured. The program aims to produce data research professionals who are passionate about drawing meaningful insights from data using data science approach.

For successful completion of PhD candidate should publish minimum four research articles in Scopus indexed journals, with Lincoln University College affiliation.



PROGRAMME AIM

The program Doctor of Philosophy in Data Science will produce professionals who are:

- Knowledgeable and skillful in the theory and practice of areas of Data Science with the concept of research work.
- Competent to practice technically and process interpersonal skill to communication making on various situations and responsibilities during their research work.
- Capable to work ethically and adopt digital and analytical skills to lend support Data Science professional in their specialty.
- Able to adopt the autonomy and responsibilities with the excellent leadership skills that is useful for industrial needs in the field of Data Science.
- Efficient to utilize personal skill to undergo entrepreneurial work in Data Science field effectively.



CAREER OPPORTUNITIES

Doctor of Philosophy in Data Science gives students a deep understanding of programming, statistics, data analysis, machine learning, and artificial intelligence. The number of career options in data science is expanding incredibly fast. Graduates of doctoral programs in data science can work as:

- Data Scientist
- Big Data Analyst
- Machine Learning Engineer
- Mining Analyst
- Data Modeler
- Data Architect/Engineer
- Qualitative Analyst



PROGRAMME DURATION

Full Time: 3-5 Years
Part Time: 4-8 Years

Call us :

1 300 880 111 (Malaysia)
+603 78063478 (International)

Web : www.lincoln.edu.my | E-mail : info@lincoln.edu.my



INTAKE AND ENTRY REQUIREMENTS

Ongoing

i. Masters (Level 7 Malaysian Qualifications Framework, MQF) or equivalent AND candidates must have completed at least one of their previous studies (Bachelor/Masters (Level 6 or Level 7 MQF)) in Computing or related to Computing.

Note: There is no direct entry from Bachelor's degree level (MQF Level 6) to Doctorate (MQF Level 8) by research. Candidates with a Bachelor's degree (MQF Level 6) who are registered for a Master's program (MQF Level 7), may apply to change their study registration to a Doctoral program (MQF Level 8) by research subject to the following conditions:

a. Application for exchange is within one year of registering for the Master's program (Level 7 MQF) for full-time candidates and two years for part-time candidates;

b. Have demonstrated competence and ability in conducting research at the Doctoral level (Level 8 MQF) through thorough internal evaluation by the HEP; and

c. Approval from the PPT Senate.

ii PPT can accept excellent Bachelor's graduates (MQF Level 6) in the field of Computer Science or related to Computer Science or related fields for direct admission to Doctoral program (by research) Level 8 MQF with the following conditions:

a. Students obtain a first class Bachelor's qualification (MQF Level 6) or equivalent; or

b. Obtain a Cumulative Grade Point Average (CGPA) of at least 3.67 or equivalent from an academic program or Technical and Vocational Education and Training (TVET) program; and

c. Thorough internal evaluation by PPT; and

d. Received approval from the PPT senate and was accepted as a candidate for the Doctoral program (Level 8 MQF). Students need to show appropriate progress during the candidature period.

Students should be informed that students will not be awarded with a Master's qualification (MQF Level 7) as an exit award if they do not meet the achievements at the Doctorate level (MQF Level 8).

International student:

Have evidence of good oral and written English proficiency. For example scale 6.0 for /international English Language Testing System (IELTS)/equivalent.



SUBJECTS

Sl. No.	Subject Name
1.	Research Methodology
2.	Data Analysis and Thesis Writing
3.	Research Work (Any one of the following specialties)
	• Data Mining
	• Knowledge Management
	• Data Analytics
	• Business Intelligence
	• Artificial Intelligence
	• Data Visualization
	• Big Data Integration
	• Statistics
	• Extensive Computations
	• Complex Modeling
	• Simulation
	• Optimization and Visualization

Call us :

1 300 880 111 (Malaysia)
+603 78063478 (International)

Web : www.lincoln.edu.my | E-mail : info@lincoln.edu.my