



LINCOLN
UNIVERSITY COLLEGE
DKU016 (B)

Doctor of Philosophy in Cybersecurity

(N/0613/8/0003) (05/31) (MQA/PA 17338)



PROGRAMME DESCRIPTION

The Doctor of Philosophy in Cybersecurity program with Lincoln University College, Malaysia, is designed to cultivate advanced expertise in safeguarding digital infrastructures and addressing complex cyber threats. This rigorous doctoral program blends deep theoretical knowledge with practical research, covering areas such as cryptography, network security, and cyber forensics. Students engage in cutting-edge research to develop innovative solutions for securing information systems and critical infrastructures. With a strong emphasis on both technical and policy aspects of cybersecurity, graduates are prepared to tackle challenges in academia, industry, and government. They emerge as thought leaders and experts capable of driving advancements in cyber defence, policy-making, and strategic security initiatives, contributing significantly to the ever-evolving field of cybersecurity.

For successful completion of PhD degree in LUC, each candidate should publish minimum of Four research articles in Scopus indexed journals, with Lincoln affiliation.

PROGRAMME AIM

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

- Knowledgeable and skillful in conducting research within Cybersecurity's theory and practice.
- Capable of demonstrating technical competence and effective interpersonal communication, adapting to diverse situations and responsibilities in research settings.
- Competent in ethical work practices, utilizing digital and analytical skills to support peers.
- Able to adopt responsibilities and exhibit excellent leadership skills tailored to Cybersecurity industrial demands.
- Efficient to apply personal skills to engage in Cybersecurity entrepreneurial work.

CAREER OPPORTUNITIES

Candidates pursuing a Doctor of Philosophy in Cybersecurity will be exceptionally equipped for diverse professional trajectories, such as:

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|----------------------------|---|
| • University Professor | • Security Administrator |
| • Cybersecurity Researcher | • Cybersecurity Consultant |
| • Security Architect | • Malware Analyst |
| • Security Consultant | • Security Awareness Trainer |
| • Cybersecurity Analyst | • Machine Learning/AI Security Specialist |

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



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INTAKE AND ENTRY REQUIREMENTS

Intake: Ongoing

Entry Requirements:

- A Master's degree (Level 7, MQF) in the field of Computing or related fields as accepted by the Lincoln University College Senate; OR
- A Master's degree (Level 7, MQF) in non-Computing fields with a minimum of FIVE (5) years of working experience in the field of computing or related fields must undergo appropriate prerequisite courses as determined by Lincoln University College; OR
- A Master's degree (Level 7, MQF) in non-competing fields with less than FIVE (5) years of working experience in the field of computing or related fields must undergo appropriate prerequisite courses as determined by Lincoln University College and subject to rigorous internal assessment; OR
- Other qualifications equivalent to a Master's degree in the field of Computing or related fields recognized by the Government of Malaysia must undergo appropriate prerequisite courses as determined by Lincoln University College.

English Competency Requirement (International Student)

- Achieve a minimum score of 6.0 in the English Language Testing System (IELTS) or equivalent. If a student does not meet this requirement, Lincoln University College must offer English proficiency courses to ensure that the student's proficiency is sufficient to meet the needs of the program.

LIST OF COURSE/MODULE OFFERED IN THE PROGRAMME

Sl. No.	Subject Name	Credits
1	Research Methodology	NA
2	Data Analysis and Thesis Writing	NA
3	Research Work	NA
<u>Tentative research areas*</u>		
Cryptography and Cryptanalysis		
Network Security		
Information Assurance		
Cloud Security		
IoT (Internet of Things) Security		
Malware Analysis and Reverse Engineering		
Ethical Hacking and Penetration Testing		
Incident Response and Digital Forensics		
Machine Learning and AI in Cybersecurity		



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Kolej Universiti Lincoln, No. 12, 14, 16 & 18, Jalan SS 6/12, 47301 Petaling Jaya, Selangor

No. 2, Jalan Stadium, SS 7/15, Kelana Jaya, 47301, Petaling Jaya, Selangor Darul Ehsan, Malaysia.