



## PROGRAMME DESCRIPTION

The objective of the curriculum of Bachelor of Information Technology (Honours) (Internet Technology and Cloud Computing) is to give students a firm understanding of the idea and guiding principles of Internet engineering and cloud computing. The knowledge and abilities needed to plan, build, implement, manage, and maintain computer networking for the cloud and the Internet, as well as their security, will be provided to the students. Graduates of this program possess in-depth knowledge and abilities necessary for employment as professionals in the fields of computer networking, web development, mobile development, and IOT applications.



## PROGRAMME AIM

The programme Bachelor of Information Technology (Honours) (Internet Technology and Cloud Computing) will produce professionals who can be able to:

- Produce knowledgeable and be technically competent in the field of Information Technology in line with Internet and Cloud Computing industry requirement locally and globally
- Perform well as a team player, demonstrate good leadership qualities in an organization, and be effective in communication.
- Solve problems related to the field of Information Technology creatively, innovatively, ethically, using numerical and technical skills, and through sustainable approach to solve Internet and Cloud computing related problems.
- Demonstrate entrepreneurship skills and recognize the need of lifelong learning, as well using a broad range of information, media, and technology applications for successful career advancement.

## CAREER OPPORTUNITIES

Graduates with Bachelor of Information Technology (Honours) (Internet Technology and Cloud Computing) program can choose and implement software for big computer organisations, government agencies, software development firms, and commercial organisations. Careers that can be attained with this qualification include:

- Web Developers
- Multimedia Developers
- Mobile Application Developers
- Systems Analysts
- Network Engineers
- IT Consultants
- IT Managers
- IoT Developers

**PROGRAMME DURATION:** Minimum Duration: 36 Months.

**INTAKE :** March, July, November

**Call us :**

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

Web : [www.lincoln.edu.my](http://www.lincoln.edu.my) | E-mail : [info@lincoln.edu.my](mailto:info@lincoln.edu.my)

## ENTRY REQUIREMENTS

- i. Passed Sijil Tinggi Persekolahan Malaysia (STPM) with a full pass in two subjects or equivalent with a minimum Cumulative Grade Point Average (CGPA) of 2.0 and pass the Sijil Pelajaran Malaysia (SPM) or equivalent with a credit in Mathematics; or
- ii. Passed the Matriculation Programme or Foundation of PPT recognized by the Malaysian Government with a CGPA of 2.0 and credit in Mathematics at SPM level or equivalent; or
- iii. A-Level pass with a minimum pass in two subjects including a credit in Mathematics at SPM level or equivalent; or
- iv. Passing the Unified Examination Certificate (UEC) with at least grade B in five subjects including Mathematics and English; or
- v. Graduated Diploma [Level 4, Malaysian Qualifications Framework (MQF)] in Computing or equivalent with a CGPA minimum 2.5; or candidates who obtained a CGPA below 2.5 but above 2.0 may be accepted subject to a rigorous internal assessment process; or Graduated Diploma (Level 4, MQF) than field Computing with a CGPA minimum 2.5 and credit in Mathematics at SPM level; or
- vi. Other equivalent qualifications recognized by the Malaysian Government.
- vii. For non-Malaysian citizens, please refer to the Malaysian Qualifications Agency's (MQA) List of Overseas Qualifications and its equivalency with Malaysian Education System to see if you qualify for this course.

### English Requirements :

International students must have proof of good proficiency in verbal and written English. For example, International English Language Testing System (IELTS) score of 5.0 or its equivalent. If a student does not meet this requirement, HEPs must offer English proficiency courses to ensure that the student's proficiency is sufficient to meet the needs of the programme.

## SUBJECTS

Sl. No.	Subject Name
1	Internet Fundamentals and Applications
2	Discrete Mathematics and Probability
3	English
<b><u>Elective (Choose any one module from the following):</u></b>	
4	Islamic Civilization and Asian Civilization
	Malay Language Communication
5	Computer Architecture and Organization
<b><u>Elective (Choose any one module from the following):</u></b>	
6	Ethnic Relations
	Malaysian Studies
7	Principles of Cloud Computing
8	Database Management Systems
9	Computer Networks
10	Object Oriented Programming
11	Malaysian Government and Public Policy
12	Data structure and Algorithms
13	Human Computer Interaction
14	Information Systems Analysis and Design
15	Values & Ethics in profession

Sl. No.	Subject Name
16	Information Cloud Security
17	Cloud Architecture
18	Dynamic Web Programming
19	Internet of things Principles
20	Routing and switching
21	Advanced Web Technologies
22	Cloud Application Development and Management
23	Project Management
24	Leadership Skills and Human Relations
25	Virtualization
26	High Performance Computing
27	Organizational Behaviour
28	Service Oriented Architecture
29	Mobile Cloud Computing
30	Final year Project
31	Industrial Training
32	Mobile and Digital Forensics
33	Blockchain Technology

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