

BACHELOR OF COMPUTER SCIENCE IN DATA SCIENCE WITH HONOURS

(N/481/6/0828)(12/2025)(MQA/PA 14042)

**THINK ANALYSIS. THINK DATA SCIENCE.
THE FUTURE IS NOW.**



The Bachelor of Computer Science in Data Science With Honours aims to prepare graduates with specialised knowledge and sound principles to analyse and solve real-world problems using data science. These are combined with sustainability and lifelong learning, further enriching the content of this programme. Furthermore, it addresses the increasing demand for graduates who possess strong analytical, ICT and essential skills which will enhance their training as a data science professional. These skills can then be deployed to achieve success in their future career pathways.



COURSE DURATION	3 years
COURSE MODE	Full-time
COURSE LOCATION	Kuala Lumpur
INTAKES	January, May and September

COURSE SYLLABUS

• Fundamentals of Data Science • Cloud Computing • Big Data • Machine Learning for Data Science • Discrete Mathematics • Statistics for Data Science • Introduction to Cybersecurity • Data Mining • Artificial Intelligence • General Courses (MPU)* • Introduction to Programming • Computer Organisation and Architecture • Database Management Systems • Object Oriented Analysis and Design • Introduction to Human Computer Interaction • Database Design • Data Structures and Algorithms....and more.

* General Courses (MPU) are compulsory for all students.

ENTRY REQUIREMENTS

ACADEMIC REQUIREMENTS

- UC SI Foundation Year - Minimum CGPA of 2.0, including C in Additional Mathematics in SPM
- STPM - Minimum 2 principals (C grade) including C in Additional Mathematics in SPM
- A-Levels - Minimum 2 principals (E grade)
- UEC - 5 credits (B6)
- National Matriculation - Minimum CGPA of 2.0
- International Baccalaureate (IB) - Minimum 26 points in 6 subjects
- Canadian Pre-U - Minimum 60% in 6 subjects
- AUSMAT/HSC/SACE/TEE/WACE/SAM - Minimum average of 60% in 5 subjects including 60% in Mathematics and C in Additional Mathematics at SPM/O-Level/equivalent
- Australian Year 12 - Minimum average of 60% in 5 subjects
- Other qualifications deemed equivalent to STPM/A-Level by MQA - Minimum overall average of 60%
- Diploma (Computing-related) and Diploma Science and Technology - Minimum CGPA of 2.5

ENGLISH LANGUAGE REQUIREMENTS:

Local students: Minimum B+ in English at SPM; Minimum A2 in UEC level; Minimum C in SPM English Language 1119/ O Level English/ IGCSE; MUET BAND 3.

International students: IELTS 5.0 or equivalent; TOEFL PBT (440); TOEFL IBT (42); PTE (47); MUET – BAND 3; Cambridge E. Q. T. (154)

CAREER OPPORTUNITIES

- Data Analyst
- Data Scientist
- Data Wrangler/Munger/Miner
- Business Intelligence Developer
- IT Risk Analyst
- Advance Analytics Professional
- Data Engineer
- Machine Learning Scientist
- Analytics Manager
- Data Visualisation Developer

UCSI EDUCATION SDN BHD [198901008177 (185479-U)] *Kuala Lumpur • Terengganu • Kuching*

UCSI University Kuala Lumpur Campus DU020(W)

No.1, Jalan Menara Gading, UCSI Heights (Taman Connaught), 56000 Cheras, Kuala Lumpur, Malaysia.

T (03) 9101 8882 **W** UCSIUNIVERSITY.EDU.MY

f UCSI UNIVERSITY **@** UCSIUNI **✉** info.enq@ucsiuniversity.edu.my



TOP 1.3% IN THE WORLD
TOP 10 IN MALAYSIA