



UNIVERSITI KEBANGSAAN MALAYSIA
The National University of Malaysia

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The first Master of Data Science in Malaysia with the aim to produce professional data scientist and data engineers. This program is intended for professionals in a variety of industries and job functions who are looking to help their organization understand and leverage the massive amounts of diverse data they collect.

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DURATION OF STUDIES

- **Full Time**
2 - 4 semester
- **Part Time**
4 - 8 semester

INTAKE

- March & September



CONTACT US

Penyelaras Sarjana Bermodul
Masters by Module coordinator

Fakulti Teknologi & Sains Maklumat
(Faculty of Information Science & Technology)
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[computing.ftsmukm](https://www.instagram.com/computing.ftsmukm)

MASTER OF DATA SCIENCE

Faculty of Information Science & Technology

www.ftsm.ukm.my



ABOUT US

Faculty of Information Science and Technology in Universiti Kebangsaan Malaysia offers various computing programmes. However, the Master of Data Science is uniquely designed for special individuals and their organization's needs.

We collaborate with the Malaysian Administrative Modernisation and Management Planning Unit (MAMPU) and team with ABYRES Sdn. Bhd, to ensure best knowledge delivery.

ADMISSION REQUIREMENT

- Bachelor Degree in Medicine, Technology and Science or Social Science with an excellent CGPA (Minimum CGPA 2.75) from any institution of higher learning recognized by the Senate of UKM

OR

- Bachelor Degree in Medicine, Technology and Science or Social Science with an CGPA 2.50, with conditional and interviews

OR

- Bachelor Degree in Medicine, Technology and Science or Social Science with CGPA less than 2.50, must has 5 years of experience in relevant area

OR

- Candidate with bachelor degree in social science must passed mathematic/or statistic or credit in mathematic or passed add math in SPM level

LEARNING OUTCOME

The programme is designed to produce graduates who will be able to:

- Analyse and evaluate data in depth
- Support the development and deployment of innovative big data platforms for advanced analytics
- Solve problem with innovative solutions for business purpose
- Understand data and information modelling to design, construct and evaluate database and data warehouse for structured and unstructured data
- Apply data analysis method and technique for changing raw data into valuable and useful information

TEACHING APPROACH

By considering enthusiastic executives as our main audience, the courses are designed in such a way that face to face learning is done in 5 full days which include active learning, lab activities, discussion and case studies.

Whilst the assignments need to be completed in the next 3 weeks for full-time or 6 weeks for part-time students.

The ongoing assessment contributes to 60%-70% of the overall marks and the remainder is from final examination.

ENGLISH REQUIREMENT

Minimum score 550 for TOEFL
OR 5.5 for IELTS for international student

STRUCTURE AND CONTENT

STRUCTURE	COURSE CREDIT	COURSES
Compulsory	24 credits (equivalent to 6 courses)	<ul style="list-style-type: none">01 TC6424 Fundamental of Data Science02 TR6124 Statistical Methods for Data Analytics03 TP6234 Unstructured Data Analytics04 TS6024 Information Modeling and Databases05 TU6434 Big Data Analytics and Management06 TC6444 Machine Learning for Data Science
Electives	4 credits (equivalent to 1 courses)	TU6214 Decision Support and Business Intelligence
Project	12 credits	TU607C Project
TOTAL	40 CREDITS	