



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

Razak Faculty of Technology
and Informatics

Master of Science (Business Intelligence and Analytics)

MQA/SWA12202

“DATA IS WHAT YOU NEED TO DO ANALYTICS.
INFORMATION IS WHAT YOU NEED TO DO BUSINESS”



<http://razak.utm.my>



@utmrazak



<facebook.com/utmrazak>



razakfaculty@utm.my



+603-2180 5143/5146/5193/5217



Level 7, Menara Razak,
Universiti Teknologi Malaysia,
Kuala Lumpur, MALAYSIA

Apply online at:
smart.utm.my



Scan this code for
more information

PROGRAMME OVERVIEW

Master of Science (Business Intelligence and Analytics)

aims to produce ICT professionals who have advanced knowledge and skills in the field of business intelligence, data science and analytics. They will not only gain knowledge and skills in manipulating and analysing data (especially Big Data) they will also equip with knowledge and expertise as analysts in business intelligence, which seeks to design and implement an analytical transformation into a leading organisation following the current needs of the country. In such areas as marketing, information technology, engineering, economics, music, education, research and medicine, data scientists discuss the challenges raised by big data – analysis, management and usage. In the fast-growing world of the digital age, these insights will drive creativity and transform decision-making, whether delivered by autonomously integrated systems or through conventional reports.

ENTRY REQUIREMENTS

A Bachelor's Degree with good honours from Universiti Teknologi Malaysia or any other institution of higher learning recognised by the Senate; OR

A qualification equivalent to a Bachelor's Degree as per above area and experience in the relevant field recognised by the Senate.

Additional requirement for International Applicants

An English Certificate of IELTS with the minimum band of 6.0 OR TOEFL with the minimum score of 550

CORE COURSES

- Cloud Computing for Big Data Analytics
- Data Mining and Business Analytics
- Business Statistics for Data Science
- Strategic Business Management
- Business Intelligence
- Data Governance
- Research Methodology
- 1 University General Course

ELECTIVE COURSES

- Social Networks Analytics
- Machine Learning for Business Problems
- Data Visualization and Interactive Design
- Advanced Enterprise Information Systems
- Issues in Business Intelligence and Analytics
- Enterprise Architecture for Business Intelligence

MASTER PROJECT

- Master Project 1
- Master Project 2

CAREER OPPORTUNITIES

Graduates with business intelligence and analytics skills are in high demand. Possible careers could include:

- Business Intelligence Analyst
- Quantitative Researcher
- Data Mining Engineer
- Quantitative Analyst
- Chief Data Officer
- Financial Analyst
- Big Data Analyst
- Data Architect
- Data Scientist
- Data Analyst



COURSEWORK (45 CR)



Intake: February and September



Package 1: Weekdays Class
1.5 years (3 semesters)–4 years (8 semesters)
Package 2: Weekend Class
2 years (4 semesters)– 4 years (8 semesters)



"Updated on latest technological developments.."

“ I am glad to enrol in this programme because it covers all aspects of data science as applied science: theory, practice, law and ethics, also for my future career competencies. Joining this programme gave me exposure to Big Data Analytics skills and tools needed in supporting business decision making in the current industry. ”

SYAMIL ZAHID

Senior Assistant Director
Ministry of Women, Family and Community Development Malaysia



"Expanded my horizons..!"

“ I am glad to enrol in this programme because it covers all aspects of data science as applied science: theory, practice, law and ethics, also for my future career competencies. Joining this programme gave me exposure to Big Data Analytics skills and tools needed in supporting business decision making in the current industry. ”

FELICIA YEW HUI SHYAN

IT Medical Sales Representative
Multinational Pharmaceutical Company