




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>

 [facebook.com/utmrazak](https://www.facebook.com/utmrazak)

 @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)

The goal of this program is to produce ICT professionals who have advanced knowledge and skills in the field of Business Intelligence and data analytics. They will not only gain knowledge and skills in manipulating and analyzing data, in fact, they will also equipped with knowledge and skill as analysts in Business Intelligence, which seeks to design and implement an analytical transformation into a leading organization in accordance with the current needs of the country.

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)

CORE COURSES

- Cloud Computing for Big Data Analytics
- Data Mining for Analytical Business Solution
- Applied Statistics for Business Intelligence
- Data Visualization and Interactive Design
- Business Intelligence
- Data Governance
- Research Methodology
- Project 1
- Project 2

ELECTIVE COURSES

- Strategic Business Management
- Business Analytics
- Advanced Enterprise Architecture for Business Intelligence
- Digital Business and e-Commerce Management
- Human Centred Computing
- Advanced Artificial Intelligence
- Social Network Analytics
- Agile Data Science
- Internet of Thing (IoT) Technologies
- IoT for Blockchain System Design
- Open Electives 1 (Cross Program in Faculty)
- Open Electives 2 (Cross Program in UTM)

UNIVERSITY COURSES

- Informatics in Society
- Environmental Ethics
- Malaysian Society and Culture
- Business Ethics, Responsibility and Sustainability
- Organization Behaviour and Development
- Seminar on Global Development, Economic and Social Issues
- Philosophy of Science and Civilization
- Dynamics of Leadership
- Malay Language for Post Graduates
- IT Project Management
- Introduction to Technopreneur ship
- Basic Japanese Language and Culture

MASTER PROJECT

- Master Project 1
- Master Project 2

ENTRY REQUIREMENTS

Bachelor's Degree with honors in Science and Technology, Engineering and Social Science from any recognized institution of higher learning or an academic qualification equivalent to a foreign organization approved by the University Senate. Certain professional qualifications will also be considered. Prospective students must obtain a CGPA/CGPA of at least 2.50.

For a lower first degree academic qualification, which is a minimum CGPA of 2.00 and does not meet the CGPA of 2.50, it can be accepted subject to a rigorous internal assessment of having five (5) years of work experience in a related field.

Prospective students from Bachelor's graduates in the field of Social Sciences who do not have technological skills or ICT/IT background, prospective students must take the Pre-Master program managed by the Student Recruitment & Admission Division (SRAD UTM). Prospective students must follow and PASS three (3) prescribed courses with a CGPA/CGPA of at least 3.00

APEL (Accreditation of Prior Experiential Learning)

- APEL A: Admission to the Master's Degree program (APEL T-7).
- APEL C: Candidates who wish to obtain credit transfer for a course in the program being pursued. Credit transfers will be given to those who qualify.

OKU Category Requirements (People with Disabilities)

The category of PEOPLE WITH DISABILITIES is only from the category of physical disabilities and can be admitted if they meet the general and specific conditions for admission to the program.