



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

*Innovating Solutions*



POSTGRADUATE STUDY  
**RAZAK FACULTY OF TECHNOLOGY  
AND INFORMATICS**



Study at  
Universiti Teknologi  
Malaysia

[razak.utm.my](http://razak.utm.my)



| TAUGHT COURSE  | MIXED MODE   | RESEARCH   |
|--|--|--|
| Master Occupational Safety and Health Management<br><br>Master in Science, Technology And Innovation Policy<br><br>Master of Professional Science<br><br>Master of Science (Business Intelligence and Analytics)<br><br>Master of Science (Computer Systems Engineering)<br><br>Master of Science (Engineering Business Management)<br><br>Master of Science (Engineering Design)<br><br>Master of Science (Engineering Education)<br><br>Master of Science in Informatics<br><br>Master of Science in Information Security Assurance<br><br>Master of Science (Sustainable Infrastructure)<br><br>Master of Science (Sustainable Urban Design)<br><br>Master of Science (Systems Engineering)<br><br>Master of Software Engineering | Doctor of Engineering In Engineering Business Management | Master of Philosophy<br>• Industrial Design<br>• Policy Studies<br><br>Doctor of Philosophy<br>• Policy Studies<br><br>Master of Philosophy Doctor of Philosophy |
| <b>OPEN &amp; DISTANCE LEARNING (ODL)</b>  |  |  |
| • Master of Science (Business Intelligence And Analytics)  |  |  |

**AREAS OF RESEARCH**

**Mechanical and Manufacturing Engineering**

- Materials and Material Processing
- Manufacturing Process and System
- Quality and Robust Engineering
- Operation Management and Industrial Engineering
- Occupational Safety and Health
- Ergonomics
- Noise and Vibration
- Ultrasonic Vibration
- Finite Element Simulation and Modeling
- Instrumentation and Control
- Aeronautic Engineering and Fluid Mechanics
- Maintenance Engineering
- Condition Monitoring

**Sciences**

- Chemoinformatics
- Computational Chemistry
- Mathematics
- Applied Mathematics

**Electrical and Computer Engineering**

- Signal and Image Processing
- Electrophysiology Signals
- Bioinformatics
- Biomechanics
- Telematics and Wireless Network
- Computer Networking
- Broadband Multimedia
- Photonics and Fibre Optics System
- Power and Control System
- Renewable Energy
- Solar Engineering

**Design**

- Design Theory and Methodology
- Green Building Technology
- Historic Urban Landscape
- Urban Studies
- Urban Ecology and Sustainability
- Politics of Space
- Industrial Design
- Decision Making in Design
- Industrial Design Prototype Development
- Industrial Design Modelling

**Informatics**

- Cloud Computing
- Embedded Computing
- Enterprise ICT Management
- ICT Network
- Management
- Image and Signal Processing
- Internet of Things and Edge Computing
- Design and Development
- Software Quality and Testing
- Blockchain and Security
- Wireless Sensor Network
- Augmented Reality and Gamification
- Data Analytics and Visualization
- Human Information Processing
- Media Informatics and Visual
- Computer Ethics
- Interaction Design and Usability
- Biometrics
- Network and Cloud
- Business Intelligence
- Data Mining
- Pattern Recognition
- Policy and Risk Management
- Digital Forensics

**Notes:**

1. A comprehensive list of research areas can be found at the respective faculty websites.
2. Areas and disciplines for Masters by Research and PhD study other than listed above will be offered as Generic Programmes at faculties and schools.