



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

Razak Faculty of Technology
and Informatics

Master of Professional Science


MQA/SWA11096


**"MANAGEMENT IS ART BROKEN INTO SCIENCE, AND SCIENCE
WOVEN INTO ART"**


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PROGRAMME OVERVIEW

Master of Professional Science

is a hybrid Master's degree accredited by the Malaysian Qualifications Agency, designed for candidates to expand scientific knowledge in emerging science and technology whilst acquiring business and management skills for a competitive edge. This focus is to improve employment prospect and support professional development. UTM is the first university in the nation to offer an innovative and multi-disciplinary programme that bridges science to business and management to groom future-ready graduates with 21st-century skills.

ENTRY REQUIREMENTS

A Bachelor's Degree in Engineering, or Science, or Computer Science, or Mathematics 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 Applicant

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

CAREER OPPORTUNITIES

- Researcher
- R&D Manager
- Management Roles
- Operation Manager
- Education Leadership Roles

CORE COURSES

- Core Courses – Science
 - Specialisation 1: Applied Mathematics
 - Specialisation 2: Operation Research
 - Specialisation 3: Nanophysics
 - Specialisation 4: Applied Chemistry
- Core Courses – Management
 - Management for Professionals
 - Entrepreneurship and New Business Creation
 - Human Resource Management for Professionals
- Research Methodology
- 1 University General Course

ELECTIVE COURSES

- Multivariate Analysis
- Instrumental Analysis
- Quality Management
- Financial Management
- Supply Chain Modelling
- Management of Change
- Computational Chemistry
- Advanced Statistical Methods
- Modern Physics for Innovation
- Human Resource Development
- Simulation for Professional Science
- Creative Thinking and Problem Solving
- Strategic Management for Professionals
- Industrial Relations and Employment Law
- Advanced Nanostructures and Nanotechnology
- Human Resource Management for Professionals
- Sustainable Development and Environmental Management

MASTER PROJECT

- Master Project 1
- Master Project 2



COURSEWORK (46 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)



"integrate the knowledge.."

“I chose this programme because of its versatility. You can tell just by looking at the program structure that it's geared towards creating professionals and that it integrates well with other disciplines. It has broadened my horizon to integrate the knowledge of science, business and management in rising to the industrial challenges today.”

CYHTIA ANN CRUZ

Assistant Manager
R&D Center, Top Glove



"boosted my professional career.."

“This programme boosted my professional career development. Without it, I do not believe that I would be in the position that I am in today. The program structure is highly relevant to today's needs that require the science professionals equipped with advanced STEM knowledge, together with business and management skills”

ITHNAINI MUHAMED KAMEL

Head of Assistant Director
MARA Secondary Education Department