



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

UTM Razak School of
Engineering and
Advanced Technology



Master of Philosophy (M.Phil)

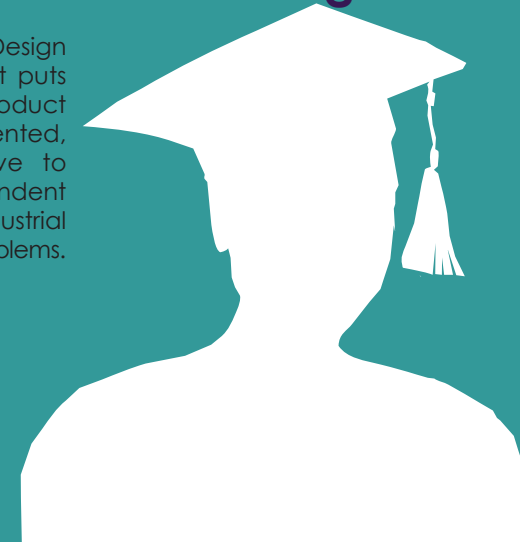
The Master of Philosophy (M.Phil) offered at UTM Razak School of Engineering and Advanced Technology is a research award degree program for those holding a Bachelor's degree (in any field) who would like to expand and upgrade their knowledge.

This multi-disciplinary program assists candidates to develop skills in high level analysis and presentation, as well as integrate academic and professional concerns. Successful completion of the program will indicate that candidates have successfully completed a course of research training. The M.Phil thesis is expected to make an invaluable contribution of new knowledge or to existing body of knowledge in the field.



Master of Philosophy in Industrial Design

The Master of Philosophy in Industrial Design program is a full time research program that puts emphasis on a systematic approach to product development. The program is problem-oriented, creative and innovative with the objective to produce graduates with critical and independent thinks skills who would later become industrial designers capable of independently solving problems.



Entry Requirements

MPhil

A bachelor degree from UTM, or another tertiary education institution approved by the UTM Senate;

OR

An applicant whose qualifications are of a lower standard may be admitted if evidence of an adequate academic background and experience

in an appropriate field can be shown; AND

- Sufficient relevant experience; AND
- Pass an interview session to clarify relevance of previous study and/or experience, if required by UTM Razak School.

M.Phil in Industrial Design:

Bachelor of Science in Industrial Design with minimum CPA of 2.5 or other entry requirements as stipulated by the Graduate School.

English Language Requirement (for international student):

All international students applying to UTM must have a valid two-year old TOEFL or IELTS certificate. Students with a TOEFL score of 550 (or 79 IBT) or an IELTS Band 6 will be enrolled in a faculty program without undergoing UTM English Courses.

Fields 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 Modelling, Instrumentation and Control, Aeronautic Engineering and Fluid Mechanics, Maintenance Engineering and Condition Monitoring.

ELECTRICAL AND COMPUTER ENGINEERING

Biosignal and Image Processing, Telematics and Wireless Network, Computer Networking, Broadband Multimedia, Photonics and Fiber Optics System, Power and Control System, Artificial Intelligent and Pattern Recognition.

CIVIL ENGINEERING

Structural Mechanics and Analysis, Concrete and Precast, Construction Management, Project Management, Building Infrastructure, Procurement Management, Contract Management, Performance Benchmarking, Groundwater Engineering, Surface Water Hydrology, Fluid Mechanics, Hydraulics and Hydrology, Water Resources Engineering and Management, Water Quality, Offshore Structure and Analysis, Environmental Engineering, Water and Wastewater Treatment, Environmental Management, Solid Waste Management, EIA, LCA, Geospatial Intelligent, LIDAR, Remote Sensing, GIS, Geomorphology, Hydrographic Surveying, Marine Mapping

SCIENCES

Semiconductor Physics, Nanostructure, Thin Film, Superconductivity, Statistical Modelling in Hydrology, Extreme Rainfall Analysis and Modelling, Statistical Downscaling with respect to Climate change, Spatio-Temporal Modeling in Hydrology, Applied Statistics, Wave Mechanics, Graph Theory Application Model, Location System, Computational Maths, Mathematic Education, Mathematical Thinking, Education and Training at Workplace, Mathematic at the Workplace, Assessment of Learning, Curriculum Development, Adult Learning.

SOSIAL SCIENCES

Land Economics, Retail Marketing, Halal Trading, Foreign Language Education, Comprehension, Language Learning & Teaching, ESL, ELT, Educational Psychology, Human Resource Development, Information Technology Management, Management Information Systems, Ethics in Computing, Decision Support Systems, Organizational Behaviour, Training and Development, Workplace Learning, Organizational

Development and Change, Career Development, Staffing and Recruitment, Performance Management, Organizational / Managerial Communication.

INDUSTRIAL DESIGN

Design Thinking, Product Strategic Planning/Services Design Innovation, Design Aesthetics, Human Emotion.

Courses

1. CORE COURSES

A. University Courses (6 credit)

● Research Methodology (Compulsory) and choose ONE Only	3
● Environmental Ethics	3
● Information and Communication Technology Ethics and Society	3
● Dynamics of Leadership	3
● Malaysian Society and Culture (for international students only)	3
● Organizational Behavior and Development	3

Fee

MPhil

	Local	International
● Tuition fee (full time)	RM 8,010.00	RM 18,735.00
● Tuition fee (part time)	RM 7,230.00	-
● Processing fee	RM 20.00	RM 114.00



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For online application, please log on to www.sps.utm.my
Program Code: MRSGA3AKA

Program Coordinator:

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MASTER OF PHILOSOPHY

