



MASTER OF ENGINEERING IN ENVIRONMENTAL MANAGEMENT



Caught between the realms of environmental engineering and environmental management? Explore the harmonious integration of technical expertise and strategic acumen in UTM's MEng in Environmental Management. With a curriculum meticulously crafted to equip students with the skills to tackle today's environmental challenges, our program offers a professional yet dynamic approach to shaping a sustainable future. Join us as we navigate the complexities of environmental stewardship and drive positive change.

CORE COURSES (18 CREDITS)

RESEARCH METHODOLOGY

Explores the essence of research, from defining its philosophy and problem to crafting objectives and conducting literature reviews. Students delve into methodologies, data collection, analysis techniques, and proposal writing, culminating in thesis preparation and research management strategies.

WATER POLLUTION CONTROL

Highlights water and wastewater treatment processes, encompassing their respective characterization, conventional and advanced treatment technologies. The understanding of each treatment process, its conceptual design, and analysis is emphasized.

AIR AND NOISE POLLUTION

Offers comprehensive understanding of air and noise pollution and their control methods covering air pollution elements, meteorology, control strategies, and design considerations. Similarly, noise pollution topics include its elements, effects, types, and sources such as road traffic, aircraft, and industrial noise.

SOLID WASTE MANAGEMENT

Provides in-depth understanding of solid waste management comprising of waste generation, characterization (both physical and chemical properties), collection systems, waste handling, and disposal practices that includes processing and recycling techniques.

ENVIRONMENTAL MANAGEMENT AND SUSTAINABILITY

Covers sustainable development principles, environmental sensitivity in natural water bodies and addressing current environmental issues such as climate change and water security, while introducing sustainable methods to achieve development goals.

LANDUSE AND ENVIRONMENTAL PLANNING

Dives into the intersection of human activities and environmental sustainability. Discover strategies for mitigation of environmental risks and acquire practical skills for to navigate contemporary challenges in sustainable development and resource management.

ELECTIVE COURSES (9 CREDITS)

- WATER QUALITY ASSESSMENT AND MANAGEMENT
- ENVIRONMENTAL ASSESSMENT AND MANAGEMENT SYSTEM
- ENVIRONMENTAL QUALITY ANALYSIS
- PHYSICO-CHEMICAL TREATMENT PROCESSES
- BIOLOGICAL TREATMENT PROCESSES
- SLUDGE MANAGEMENT
- ENVIRONMENTAL ECONOMICS
- ENVIRONMENT AND TRANSPORT PLANNING
- WATER SUPPLY AND SEWERAGE SYSTEMS

UNIVERSITY COURSE (3 CREDITS)

Choose ONE (1) university's general course

JOIN US



For further inquiries, please contact
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MASTER PROJECT (10 CREDITS)

MASTER PROJECT 1

Formulates comprehensive research proposals and establishes robust methodological framework.

MASTER PROJECT 2

Undertakes research studies, conducts meticulous data analysis, and produces scholarly thesis

- Accredited by the Malaysian Qualification Agency (MQA)
- QS World University Rankings : Highly ranked
- Structured Program & Flexible Classes
- Qualified academicians in research and academic fields
- Competitive fees package & payable by instalments

Whether you dream of a career in environmental consulting, conservation, or advocacy, this program will empower you to become a leader in the fight for a greener, more sustainable future.



COMPLETES 40 CREDITS IN ONLY ONE YEAR!

IN-HOUSE UTM PRISM UNDERGRADS CREDIT TRANSFER AVAILABLE!