

CITY GRADUATE SCHOOL

MASTER OF MECHANICAL
ENGINEERING

City U - City Graduate School

Higher education ensures adults are able to excel in their field of expertise. By preparing them to meet all expectations of the real world environment, we are focused on producing the future leaders and professionals. At City University, we firmly believe in a holistic approach to adopting and developing dynamic professionals. Ever since 1984, we have produced over 35,000 graduates, who are now in various reputable organizations worldwide. Our years of experience, make us one of the oldest private education providers in Malaysia, qualify us as a provider of top-quality yet affordable tertiary studies.

Quality, Tradition and Recognition, these three elements are majorly embedded strongly in all possible areas in City University, which also includes management, programme design, and even student activities. Our main motive is to be the leader of postgraduate studies in Malaysia; by providing enough trust and enhanced guidance on all postgraduate programmes. We are committed to provide a positive and an empowering environment to support postgraduates in achieving their objectives in academic and research by providing expert practitioners in the respective field.

CityU in numbers



38 YEARS
OF EXCELLENCE



2 CAMPUSES



8 FACULTIES



>70 PROGRAMMES



> 5,500 STUDENTS



35,000 GRADUATES



60 NATIONALITIES



98% OF STUDENTS
HIRED BY LOCAL &
INTERNATIONAL
COMPANIES



Master of Mechanical Engineering

(R/521/7/0115)(MQA/FA5684)07/2025

Master of Mechanical Engineering is aimed at preparing graduates to be involved in managerial research in various settings such as government, industrial, academic and other sectors. Graduates will be groomed to be able to apply their skills in mathematics, science, engineering, and various other disciplines. This is to evaluate, analyze complex engineering problems to further anticipate the global societal and environmental impact of their solutions.

Duration of Study Full Time: 1 year ; Part Time: 2 years

Credit Hours 40

Career Prospect

- Automotive Engineer
- Maintenance Engineer
- Mechanical Engineer
- Senior Manager

Subjects Offered

- Engineering Computer Aided Design
- Engineering Computational Methods
- Research Methodology
- Control System Automation
- Finite Element Analysis
- Advanced Applied Mechanics
- Project/Dissertation 1
- Advanced Vibration Analysis
- Computational Solid Mechanics
- Advanced Heat Transfer
- Project/Dissertation 2
- Advanced Thermodynamics
- Computational Fluid Dynamics
- Mechanical Engineering Design
- Renewable Energy

Elective Subjects (Choose 1)

- Renewable Energy
- Mechanical Engineering Design
- Materials Failure Analysis

Project Paper / Dissertation

Entry Requirements

- Bachelor's Degree in Mechanical Engineering or in other engineering fields with at least CGPA of 2.50; OR Bachelor's Degree in Mechanical Engineering or in other engineering fields but have not attained CGPA of 2.50 with a minimum of five (5) years working experience in the relevant fields.

Additional Requirement For International Students

- For international students, TOEFL With a score of 500 OR
- International English Language Testing System (IELTS) with a score of 5.0 OR equivalent is required.

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