

Master of STRUCTURAL ENGINEERING

Structure C

Course Overview

Master of Structural Engineering (Structure C) is a quarter research program of which candidates are given the unique opportunity to follow their interest in a specialized area of research in Structural Engineering for 2 semesters worth 10 credit hours. Apart from that, the students will be attending 10 postgraduate courses which comprise 1 compulsory course, 6 core courses, and 3 elective courses with a total 30 credit hours whereby the students will be equipped with advanced technical knowledge in the field of structural engineering.

Entry Requirements

- i. A Bachelor's degree in the field or related fields with a minimum CGPA of 2.50 or equivalent, as accepted by the HEP Senate; or
- ii. A Bachelor's degree in the field of related fields or equivalent with a minimum CGPA of 2.00 and not meeting a CGPA of 2.50, can be accepted subject to rigorous internal assessment.
- iii. Candidates without a qualification in the related fields or working experience in the relevant fields must undergo appropriate prerequisite courses determined by the HEP and meet the minimum CGPA based on (i) to (ii).
- iv. For international students: Test of English as a Foreign Language (TOEFL) score of 500 or International English Language Testing System (IELTS) score of 5.0 or its equivalent.
- v. Relevant APEL-A certification from MQA.

COURSE OFFERED

Compulsory Course (3 Credit Hours)

- Research Methodology

CORE COURSES (18 Credit Hours)

- Construction Management
- Advanced Structural Analysis & Finite Element Method
- Structural Dynamics & Stability
- Construction Materials, Assessment & Rehabilitation
- Advanced Reinforced Concrete Design
- Design of Tall Buildings

PROJECT (10 Credit Hours)

- Project

ELECTIVE COURSES

(9 Credit Hours Each 3 Credit Hours)
(Choose 3 out of the 5 courses)

- Advanced Steel Design
- Fire Safety Engineering Design of Structures
- Advanced Foundation Engineering
- Hydraulic, Offshore & Energy Structures
- Advanced Concrete Technology

Duration

- **1 – 3 Years** (Full time)
- **2 – 4 Years** (Part time)

Fees

- **RM 27,300.00** (Malaysian)
- **RM 30,300.00** (International)



CONTACT US

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