Graduate Certificate in Structural Engineering

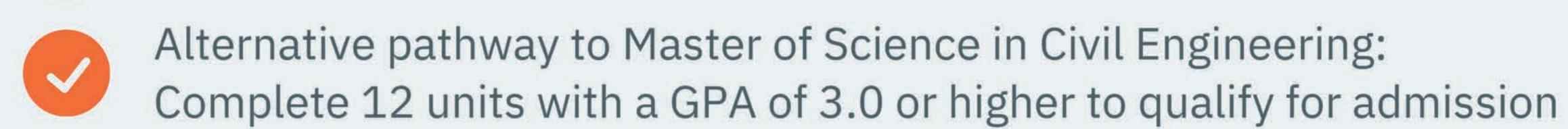
The programme is designed for fresh graduates and industry professionals seeking advanced knowledge in sustainable design, structural analysis, and innovative construction technologies. It provides a comprehensive training experience, equipping participants to meet the increasing demands for resilient and sustainable infrastructure. Graduates will acquire essential skills to tackle emerging challenges, positioning themselves for pivotal roles in civil engineering, urban development, and large-scale construction projects.

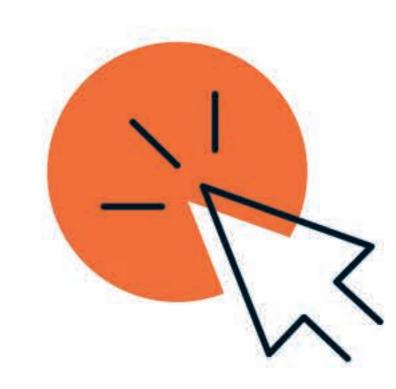


MORE INFO

Why choose us?







Admission Requirement

Eligibility

Individual with Bachelor's degree with relevant professional experience

Application Period

- January Intake:
 Starts in October / November
- August Intake:
 Starts in April / May

Graduation Requirement

Complete 12 units of courses with a minimum GPA of 2.5



Programme Details

Mode of Instruction

Part-time basis, featuring weekly face-to-face lectures

Candidature Period

Maximum 2 years

Programme Fee

SGD 1,450 per-unit of course (excluding 9% GST)



Programme Structure

List of Courses

- CE5010A Finite Element Concepts & Applications
- CE5010B Finite Element Analysis for Civil Engineering
- CE5509A Advanced Structural Steel Design
- CE5509B Design of Composite Steel and Concrete Structures
- CE5510A Advanced Structural Concrete Design
- CE5510B Rational Design of Structural Concrete Systems
- CE5516A Structural Stability Concepts & Applications
- CE5516B Structural Dynamics Concepts & Applications
- CE5610A Special Types of Concrete and Cementitious Material
- CE5610B Concrete Repair & Retrofitting of Structural Concrete
- CE5611A Advanced Prestressed Concrete Design
- CE5611B Precast Structural Concrete
 Design
- CE6077A Numerical Methods in Civil Engineering