

Graduate Certificate in Geotechnical Engineering

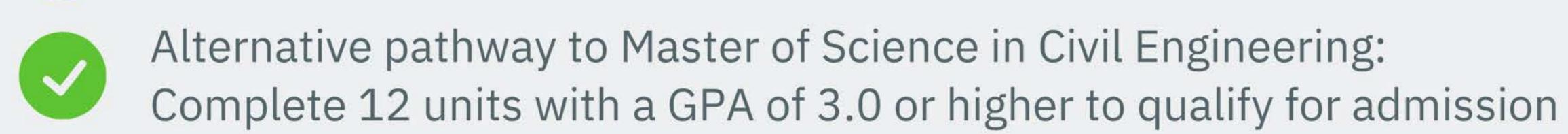
The programme is ideal for fresh graduates and professionals seeking to enhance their expertise in geotechnical engineering. It offers comprehensive knowledge in soil mechanics, foundation engineering, slope stability, and ground improvement techniques. Graduates will be equipped to tackle complex geotechnical challenges, boosting career prospects in civil engineering, construction, and infrastructure development across public and private sectors.



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

- CE5104A Tunneling in Soil
- CE5104B Tunneling in Rock
- **CE5106A** Ground Improvement: Hydraulic, Vibratory & Chemical
- **CE5106B** Ground Improvement: Dynamic, Geosynthetic & Inclusions
- CE5107A Pile Foundation Design
- CE5107B Advanced Topics in Pile Foundation Design
- CE5108A Key Principles and Concepts of Earth Retention
 Systems
- CE5108B Deep Excavations Analysis and Modelling
- CE5113A Geotechnical Site
 Investigation
- **CE5113B** Geophysical Methods & Geotechnical Monitoring