

# Level 5 Diploma in Civil Engineering

*"This programme is designed to equip students with the knowledge and skills required in the civil engineering industry by performing a wider range of roles and tasks at the higher technician level. Students will be equipped with a comprehensive grasp of the principles, theories, and practices underpinning civil engineering and urban infrastructure."*

## Career Opportunities

Civil engineering disciplines provide a wide variety of career opportunities. Other than technical and drafting positions, work activities may involve quantity survey, land survey, water supply, drainage, transport design, structural design and geotechnics. Civil engineers associate themselves with duties such as designing, management, construction, supervising and maintenance works.

## Further Studies Opportunities

Bachelor degree in civil engineering or any related field such as Bachelor of Engineering in Civil Engineering, Civil and Structural Engineering, Environmental Engineering, Surveying, Construction Management, Material Science and Engineering

## Programme Duration: 2.5 Years Full time

Year 1, Semester 1	
Module Title	Module Type
Health, Safety, Security and Environment	Core
Pengajian Melayu Islam Beraja	Core
Engineering Mathematics 1	Core
Communication Skills	Core
Mechanics of Solids	Essential

Year 1, Semester 2	
Module Title	Module Type
Pendidikan Islam	Core
Engineering Mathematics 2 for Civil Engineering	Core
Construction Materials and Technology	Essential
Engineering Drawings (Technical and AutoCAD)	Essential
Hydraulics	Essential

Year 2, Semester 3	
Module Title	Module Type
Entrepreneurship Basics	Core
Structural Design Analysis 1	Essential
Traffic & Highway Engineering	Essential
Soil Mechanics	Essential
Construction Management and Building Estimate	Essential

Year 2, Semester 4	
Module Title	Module Type
Final Year Project	Core
Water Supply, Sewerage & Waste Management	Essential
Structural Design Analysis 2	Essential
Hydrology & Drainage	Essential
Foundation Engineering	Essential

Year 2.5, Semester 5	
Module Title	Module Type
Internship	Core

Throughout 2.5 years programme	
Module Title	Module Type
Enrichment	Core