KOLEJ IEWM

Empowering Sustainable Human Capital

GUARANTEED JOB PLACEMENT

DIPLOMA IN ENGINEERING TECHNOLOGY (SUBSURFACE UTILITY ENGINEERING)
Diploma in Engineering Technology (SUBSURFACE UTILITY ENGINEERING)

PROGRAMME AIMS
Aims to fulfill the Human, Resources gap in underground infrastructure mapping, imaging and geo-engineering needs for urban utilities development and managing underground asset for urban transformation. This Diploma programme develops the students’ knowledge, skills and understanding of critical underground infrastructure planning and practical areas of engineering survey of Subsurface Utility management in underground constructions that provides essential awareness and tools to students.

ENTRY REQUIREMENTS
Passed SPM or its equivalent with at least credits in THREE (3) subjects, including Mathematics OR and ONE (1) relevant Science / Technical / Vocational subject AND a pass in English; Passed Sijil Tinggi Persekolahan Malaysia (STPM) or its equivalent with a pass in Mathematics, OR English and ONE (1) relevant Science / Technical / Vocational subject at the SPM level; A recognized Certificate in Engineering / Engineering Technology or its equivalent.

PROGRAMME STRUCTURE

YEAR 1
» Semester 1
- Fundamentals of English
- Integrity and Work Ethics
- Computer Technology
- Fundamentals of Surveying
- Engineering Mathematics
» Semester 2
- Business Communication
- Malaysian Studies
- Fundamental of Subsurface Utility Engineering
- Principles of Non-destructive Evaluation Engineering
- Subsurface Asset Administration
- Subsurface Utility Investigation
» Semester 3
- Soil Mechanics
- Surveying Software and Tools
- Geophysics in Engineering Inspection

YEAR 2
» Semester 4
- Engineering Survey
- Information Management
- Safety, Health and Environment
- Urban Utility Design, Planning and Implementation
- Engineering Assistant Skills/ Total Quality Management
» Semester 5
- Organisational and Project Management
- Principles of Utility Designating & Locating
- Computer Aided Analysis and Design
- Engineering Mechanics
- Strategic Planning and Project Management
» Semester 6
- Enterprise & Entrepreneurship
- Procurement and Contract Management
- Engineering Risk Management/ Buried Asset Management

YEAR 3
» Semester 7
- Principles of Insurance, Dispute & Legal
- Subsurface Utility Engineering
- Performance Criteria
- Project
» Semester 8
- Industrial Training 1 (Office Administration)
- Industrial Training 2 (Field Works)

CAREER OPPORTUNITIES
• Surveying Technicians
• Contract Executives
• Utility Supervisors
• Utility Planners
• Assistant Engineer
• Site Executive
• Clerk of Work
• CAD Designer
• Assistant Modelling Utility Engineer
• Operations & Maintenance Executive
• Construction Executive and many other positions.
OUR LOCATION

*GPS coordinate: +3° 1' 8.23", +101° 42' 44.68"

IN COLLABORATIONS

VISIT US