

HIGHER NITEC IN FACILITY MANAGEMENT

Core Modules

Mechanical Systems and Services

On completion of the module, students should be able to interpret building mechanical system plan, perform inspection of automated doors and pump system, conduct operational test of standby generator, as well as maintain the fire-protection and fire-fighting systems.

Electrical Systems and Services

On completion of the module, students should be able to interpret electrical circuit diagrams, conduct continuity and insulation resistance tests, and coordinate setting up of AV system. They should be able to inspect the lightning protection and earthing system, conduct first line maintenance of uninterruptable power supply, and coordinate maintenance of Extra Low Voltage system as well as the power and lighting circuits.

Air-Conditioning Systems

On completion of the module, students should be able to maintain air-conditioning system and supervise components replacement, maintain chilled water centralised system as well as cold room refrigeration system.

Building Management System

On completion of the module, students should be able to interpret the various types of control systems linked to Building Management System (BMS), conduct system wellness check for main and sub-systems, manage common causes of faults, generate and compile system reports linked to BMS, and also supervise manned security services.

Workplace Safety and Health Management

On completion of the module, students should be able to apply the Workplace Safety and Health (WSH) knowledge and skills to assist in the identification of hazards and implementation of risk control measures, conduct inspection, comply and communicate WSH legal requirements, perform incident reporting, implement WSH management process, perform effective communication and report on the outcome of WSH inspection.

Building Services Systems Analysis and Management

On completion of the module, students should be able to interpret architectural drawings, maintain fittings and fixtures, plumbing sanitary systems, as well as the masonry works of the building. Students should be able to supervise swimming pool maintenance, landscaping services, pest control and cleaning activities, monitor lift and escalator maintenance, as well as carry out inspection of painting works and manage electronic car park system.

Project Management and Supervision

On completion of the module, students should be able to plan for resource deployment and work schedule, monitor project activities to ensure compliance and in accordance with safety, security and statutory requirements, and communicate with stakeholders to ensure co-operation and smooth completion of project.

Industry Attachment

Students will be attached to relevant companies to complement and reinforce the skills and knowledge acquired at ITE and to gain professional and working experience.