

HIGHER NITEC IN FACILITY MANAGEMENT

Electives (Course Specific)

Water Efficiency in Building

On completion of the module, students should be able to conduct water audit and apply water efficiency measures to reduce water consumption in commercial/residential buildings.

Energy Audit and Management

On completion of the module, students should be able to conduct on-site energy audit using appropriate measuring instruments and tools, and recommend corrective measures for energy savings.

Green Building Technology

On completion of the module, students should be able to assist engineers to carry out design, fabrication, modification and commissioning of Green facilities and assist engineers in the operation, management and services related to Green facilities.

Introduction to Overhaul of Reciprocating Compressor

On completion of the module, students should be able to identify and isolate faulty compressor; perform overhauling of reciprocating compressor; replace pistons, rings, cylinders, suction valve, discharge valve, crankshaft and main bearings while maintaining workplace health and safety.

Building Information Modelling (BIM) for Facilities Management

On completion of the module, students should be able to interpret two-dimensional architectural layout drawings, generate three-dimensional modelling using appropriate software and retrieve relevant information on building services systems, as well as applying the effective modelling and visualisation techniques for presenting project designs.

Electives (Joint ITE-Industry)

Fire Safety Management

On completion of the module, students should be familiar with the basic working knowledge on fire science and fire safety engineering, the various types of fire protection installations, operation and maintenance, and the means to respond to fire alarm activation, fight incipient fire, and performing rescue and evacuation exercises. In addition, they should be equipped with the basic knowledge of first aid, the basic requirement of fire safety installations and maintenance including building inspection and testing of fire protection system, and the requirements of roles and responsibilities of Fire Safety Managers.