

NITEC IN BUILT ENVIRONMENT (MECHANICAL & ELECTRICAL SERVICES)

Electives (Course Specific)

Energy Audit

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

Electives (Inter-disciplinary)

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, and retrieve relevant information on building services systems using BIM software. In addition, students will also learn the effective modelling and visualisation techniques for presenting project designs.

Electives (Joint ITE-Industry)

Swimming Pool Maintenance

On completion of the module, students should be able to carry out servicing, maintenance, repairs on swimming pool filtration system, and its equipment including carrying out water quality checks.

Pest Management

On completion of the module, students should be able to carry out pest inspection work, prepare worksite for pest management, use pesticides and pest management equipment, prepares pesticides and supervise pest control operations performed by workers hired by the company. Upon completion of the course, students will be qualified to be licensed as technicians under the Control of Vectors and Pesticides Act 1998.