

Vocational Training Council
Pro-Act Training and Development Centre [Electrical]

Course Information

Course Title : Electrician/Electrical Fitter Upgrading (E)

Course Code : EL5303253

Mode of Study : Part-time Evening

Duration : 62 Hours (25 Evenings)

Course fee : \$1,170

Item **Description**

1. Safety precautions for work on low voltage installation
 - Personal safety protection equipment
 - Risk assessment

2. Basic systems of electricity in buildings/site
 - Supply system
 - Earthing system
 - Lightning protection system
 - Application of MiC
 - Temporary supply

3. Distribution system
 - Meter room
 - Final circuits
 - Issue of certificates

4. Motor control centre
 - Starter circuits
 - Motor control centre testing works

5. Some special low voltage installations with relevant regulatory requirements
 - High Voltage Discharge Lighting Installation (Neon sign)
 - Power supply to essential equipment
 - Charging facilities for electrical vehicle and renewable energy power system
 - Smart home systems