

## Applying for this Course:

To apply for this course you should be 16 years of age or older and hold a MQF Level 1 qualification in Mathematics and English. If you do not have these qualifications but possess other qualifications or relevant experience, kindly contact us on [qa.jobsplus@gov.mt](mailto:qa.jobsplus@gov.mt), stating your ID card number, attaching copies of your qualifications and a copy of your CV highlighting your work experience. Alternatively, you can send the requested information by post addressed to: Quality Assurance Unit, Jobsplus Training Complex, Triq Birżebbuġa, Ħal Far BBG3000.

## On successful completion of the Vocational Education and Training Award Electrician's Assistant, the learner will be able to:

- ✓ Comply with the electrical trade's best health and safety practices and procedures and deal with the main hazards of working with electricity
- ✓ Implement the correct electrical protective devices found in electrical installations and utilise the safety features of electrical tools, equipment and installations to minimise risks
- ✓ Ensure the safe use and proper maintenance of personal protective equipment and tools typically used in the electrical trade
- ✓ Select the most suitable class of fire extinguishers and their appropriate application
- ✓ Create a list of the personnel who are designated to deal with emergency situations
- ✓ Take into account the properties of conductors and insulators and comply with the basic principles of magnetism/electro-magnetism when undertaking an electrical task
- ✓ Produce electrical documentation using the correct electrical industry symbols, SI units and their sub/multiples and carry out electrical calculations using the correct electrical units of measurements
- ✓ Comply with the industry standard coding system used to identify resistor values tolerance and associated ratings such as power
- ✓ Comply with the basic principles of resistance and capacitance, of how electricity is generated, of direct current and single phase alternating current theory
- ✓ Advise a client on the basic features of the electrical power distribution network from generation to the consumer
- ✓ Manage measuring instruments and testing meters typically used in the electrical industry
- ✓ Ensure that the correct switch gear, transformers and cable type and size are used for a given electrical task
- ✓ Collaborate with the licensed electrician in the installation process of typical electrical equipment
- ✓ Comply with specifications derived from technical diagrams and drawings for an electrical project
- ✓ Produce single phase schematic circuits & wiring diagrams
- ✓ Comply with the requirements of Appliance Classes and Ingress Protection (IP) rating and IK codes
- ✓ Comply with the non/statutory and IET regulations
- ✓ Collaborate with the licensed electrician/engineer on electrical earthing systems checks and installations and on installing appropriate electrical hardware
- ✓ Comply with the specifications derived from schematic circuits and wiring diagrams
- ✓ Advise on appropriate locations and layouts for the distribution board and electrical points
- ✓ Carry out installation tasks that result in ease of maintenance, circuit flexibility and correct load distribution of electrical circuits and in an appropriate chronological work order
- ✓ Deal with the specific installation requirements of Conduit, Cable Trunking, Ladder Racking or Cable Trays installations on a given electrical project
- ✓ Carry out surface mount sheeted cable installation tasks in compliance with industry standards and install tasks of electrical switches and fittings for a given electrical circuit
- ✓ Comply with schedules for routine testing and inspection of electrical installations
- ✓ Employ the correct mathematical formulae and calculations for a given electrical task and create an electrical circuit suitable for a given electrical task
- ✓ Comply with the basic principles of electricity

**The National Commission for Further and Higher Education (NCFHE) deems this certificate to be at Level 3 of the Malta Qualifications Framework and the European Qualifications Framework for Lifelong Learning. This course comprises study modules to which a total of 7 ECVET points are assigned.**