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, Maltese and English. If you do not have these qualifications but possess other qualifications or relevant experience, kindly contact us on 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 in Refrigeration and Air-conditioning, the learner will be able to:

- ✓ Ensure correct health and safety procedures are implemented at the place of work
- ✓ Maintain and handle tools and equipment in line with health and safety regulations and carry out tasks following health and safety requirements
- ✓ Ensure correct handling procedures are adhered to, when using hazardous materials and implement basic precautionary measures that can ensure the safety of customer's property
- ✓ Decipher the correct meaning behind the different hazard warning signs and prohibition notices
- ✓ Participate in discussions on the concept of climate change, the Kyoto Protocol. The Montreal Protocol and Global Warming Potential (GWP)
- ✓ Deal with tasks using fluorinated greenhouse gases and other substances as refrigerants and minimise the impact of fluorinated greenhouse gases on the climate
- ✓ Conform to legislation relevant to RAC systems, their installation, repair, maintenance and decommission
- ✓ Use the basic ISO standard units for temperature, pressure, mass density & energy
- ✓ Advise on the potential leakage points of refrigeration, air-conditioning and heat pump equipment
- ✓ Carry out checks using indirect methods for RAC system leaks that comply with local and EU regulations
- ✓ Use portable measuring devices used in indirect methods for leakage testing
- ✓ Perform checks using direct methods for RAC system leaks which do not entail breaking into the refrigeration circuit and that comply with local and EU regulations
- ✓ Collaborate with co-workers to minimise waste materials during installation and commissioning of the PV panels
- ✓ Comply with the procedures to be carried out before starting any installation including any specific legislation, regulations or codes of practice for the activities, equipment or materials
- ✓ Deal with developments of PV technologies available in Malta
- ✓ Assist a qualified installer in installing and fitting PV systems components using the appropriate tools for the given task
- ✓ Collaborate with a qualified installer when installing both battery and no battery backup systems
- ✓ Comply with the requirements stated in a given installation plan that has taken into consideration the angle of the system, , weight of the PV array, the aesthetic aspect and maintenance
- ✓ Comply with the requirements stated in a given installation plan to counteract the effects of wind speed, pressure and loading on a given PV array system
- ✓ Carry out tasks that minimize temperature, dirt/dust and mismatch/wiring losses in PV panel systems
- ✓ Comply with the particular requirements of a Building-integrated PV array (BIPV) when assisting on such a project
- ✓ Comply with the specifications listed on site plans to ensure controlled access to the system during and after installation
- ✓ Use electronic leak detection devices
- ✓ Carry out procedures used to weigh refrigerant

The National Commission for Further and Higher Education (NCFHE) deems this certificate to be at Level 2 of the Malta Qualifications Framework and the European Qualifications Framework for Lifelong Learning. This course comprises study modules to which a total of 6 ECVET points are assigned.