

# Award in Plumbing

## Applying for this course

To apply for this course, you should be 16 years of age or older and have a MQF Level 2 qualification in Mathematics and Maltese or English Literacy and have at least two years' work experience in a related field. **OR** have achieved the MQF Level 2 Award as Assistant Plumber or any other similar qualification. 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 Birzebbuga, Hal Far BBG3000.

## Course Duration

This course is of 74 hours duration and consists of three Modules

- Module 1 is of 11 hours duration - (including 1-hour assessment)
- Module 2 is of 20 hours duration - (including 1-hour assessment)
- Module 3 is of 43 hours duration - (including 5-hour assessment)

## General pedagogical guidelines and procedures for this course:

The delivery of this Course will be mainly held through a series of discussions, class work exercises and hands-on training. The trainer will be holding lessons during which learners' will be exposed to the theoretical aspect. Sessions will consist of various presentations, including demonstrations. The practical sessions will be held at Jobsplus' workshop so that the learners are given the opportunity to practice what they are learning.

## General assessment policy and procedures for this course:

The learner will be assessed through a written test. The learner will also undergo an ongoing oral assessment of learning (including communication skills) and practical exercises that will take place throughout the entire programme. This assessment method gives tutors the opportunity to review and consolidate the learning being covered.

## Module 1 Learning Outcomes – Occupational Health and Safety

<ul style="list-style-type: none"><li>✓ Carry out safe working practices to prevent and identify hazards and to ensure the safety of himself, workers and members of the public</li><li>✓ Abide by the Occupational Health and Safety Act and other regulations associated with it</li><li>✓ Use tools, personal protective equipment and clothing according to health and safety regulations, manufactures' instructions and employer policy</li><li>✓ Carry out the safe erection, use and dismantling of simple scaffold platforms less than 2m high</li></ul>	<ul style="list-style-type: none"><li>✓ Monitor the workplace whilst keeping it free from hazards</li><li>✓ Use, handle and store materials hazardous to health in a safe manner</li><li>✓ Be responsible for locating and manually operating the isolating valve to disconnect domestic water services from the main water supply</li><li>✓ Complete a risk assessment and prepare a report for the work to be carried out</li></ul>
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**Module 1 Assessment:** The assessment paper will have only 1 section:

- Section A – a mixture of multiple-choice questions and open ended (short answer) questions. These all need to be answered.

The duration of this assessment is of 1 hour and the pass mark is that of 45%.

**Module 2 Learning Outcomes – Identifying Systems, equipment, Components and Work Out Calculations and Measurements**

<ul style="list-style-type: none"><li>✓ Identify the different types of solder and flux based on their technical properties used for specific jobs</li><li>✓ Identify and select sanitary accessories and fittings from given specifications and based on their technical properties for specific jobs</li><li>✓ Identify water storage tanks given from given specifications and based on their technical properties for a specific job</li><li>✓ Identify and select sands and aggregates from given specifications and based on their technical properties for a specific job</li><li>✓ Identify and select insulating and protective material from given specifications to be used for specific jobs</li><li>✓ Identify and select rainwater guttering materials and downpipes from given specifications to be used for specific jobs</li></ul>	<ul style="list-style-type: none"><li>✓ Produce accurate dimensions in metres (m) from drawings of below ground drainage pipe work</li><li>✓ Carry out calculations of volumes from dimensions obtained from drawings of installations</li><li>✓ Carry out calculations of costs of materials obtained from drawings</li><li>✓ Carry out calculations of pipe sizes in metres (m) from drawings</li><li>✓ Measure and position domestic pipework systems from drawings</li><li>✓ Produce working drawings from plans and details of drainage systems</li></ul>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**Module 2 Assessment:** The assessment paper will have only 1 section:

- Section A – a mixture of multiple-choice questions, calculations and open ended (short answer) questions. These all need to be answered.

The duration of this assessment is of 1 hour and the pass mark is that of 45%.

### Module 3 Learning Outcomes – Domestic Plumbing Installations and Fault Finding

<ul style="list-style-type: none"><li>✓ Carry out positioning, assembly and installation of domestic mains cold water and hot water pipework on two levels</li><li>✓ Carry out positioning, assembly and installation of domestic tank fed cold water pipework on two levels</li><li>✓ Carry out tests and authorise domestic gas pipework systems</li><li>✓ Carry out positioning, assembly and installation of a domestic sanitation, draining pipework system and domestic rainwater system</li><li>✓ Carry out laying and setting up drainpipe bedding</li><li>✓ Carry out installation of a bathroom suite and connect to water and sanitary service pipework</li><li>✓ Carry out installation of a kitchen sink and connect to water and sanitary service pipework</li></ul>	<ul style="list-style-type: none"><li>✓ Carry out testing of a domestic rainwater system</li><li>✓ Carry out inspections, identify faults and repair domestic water, gas and drainage pipework</li><li>✓ Dismantle, service, reassemble and test domestic valves</li><li>✓ Dismantle, service, reset, reassemble and test a domestic tap</li><li>✓ Dismantle, service, reassemble and test a water closet (WC)</li><li>✓ Carry out inspections on water storage tanks</li><li>✓ Produce a maintenance report for domestic services</li></ul>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**Module 3 Assessment:** The assessment paper will be divided into 2 assessment papers, one written and one practical:

- Paper I (written 1 hour) – Split in two Sections. Section A includes multiple-choice questions while Section B includes open ended (short answer) questions.
- Paper II (Practical 4 hours) – a mixture of hands-on and open ended (short answer) questions

The total duration of this assessment is of 5 hours, 1 hour for the Paper I and 4 hours for the Paper II, and the pass mark is that of 45% in each paper.

The Malta Further and Higher Education Authority (MFHEA) 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 4 ECTS points are assigned.