

Plumbing Practical Exam Description

The following is a description of the Utah Plumbing Practical exam. Please note that if you have previously completed the residential practical exam shown below as part of your Utah Residential Journeyman license, you will not be required to retake the same Utah plumber practical exam as part of your Residential Master license.

Utah Plumber Practical Exam

Number of Projects	2
Time allowed (hours)	2.5
Subject Area	Possible Points
Plastic Assembly	37 pts.
Copper Assembly	37 pts.

Note: One of the two assigned projects will include a rolling offset.

Candidates are responsible for bringing their own tools and materials to perform the projects. They will not be permitted to share materials during the exam. All materials should be checked prior to use to make sure they are safe and in good working order. If a candidate fails to bring the necessary materials for their exam they will not be permitted to test.

Please bring the following to the practical exam:

- Non-programmable non-construction calculator (silent, battery operated, no alphabetical keyboard, no paper tape)
- Torch capable of soldering 1" copper assembly project.
- 1 tape measure
- 1 tubing cutter (copper)
- 1 tubing cutter (PVC schedule 40)
- 1 reamer
- 1 level with 45 degree reading
- 1 framing or carpenters square
- Tools to perform copper and plastic pipe assemblies
- All consumables, including
 - Solder/flux
 - Primer/solvent cement (for the plastic pipe project)
- Safety glasses for soldering*
- Project Material (specified below)

*If you do not bring safety glasses to the practical exam, you will NOT be allowed to complete the soldering project and will receive a failing grade on that part.

All candidates will be required to complete one (1) Copper project and one (1) PVC project. Candidates are responsible for bringing all material to complete the projects. Below is the **minimum** material needed to complete the projects.

Copper Project

- 16" length of 1" Pipe
- 30" length of 3/4" Pipe
- One - 1" x 3/4" cu Tee,
- Two - 1" copper caps,
- Three - 3/4" copper 45° elbows,
- Two - 3/4" copper 90° elbows
- One - 3/4" copper MIP adapter

PVC Project

- 15-3/4" length of 1" Pipe

- 36" length of 3/4" Pipe
- One - 1" x 3/4" PVC Tee,
- Two - 1" PVC caps,
- Two - 3 - 3/4" PVC 45° elbows,
- Two - 3/4" PVC 90° elbows,
- One - 3/4" PVC MIP adapter

If material is not cut before arriving to the testing facility, please refrain from bringing anything over 60" long. If the candidate fails to bring the tools and material needed to complete the projects, they may be denied testing and forfeit exam fees or receive a failing grade.

Please **DO NOT** bring the following materials as they will be provided at the exam site.

- Scratch paper