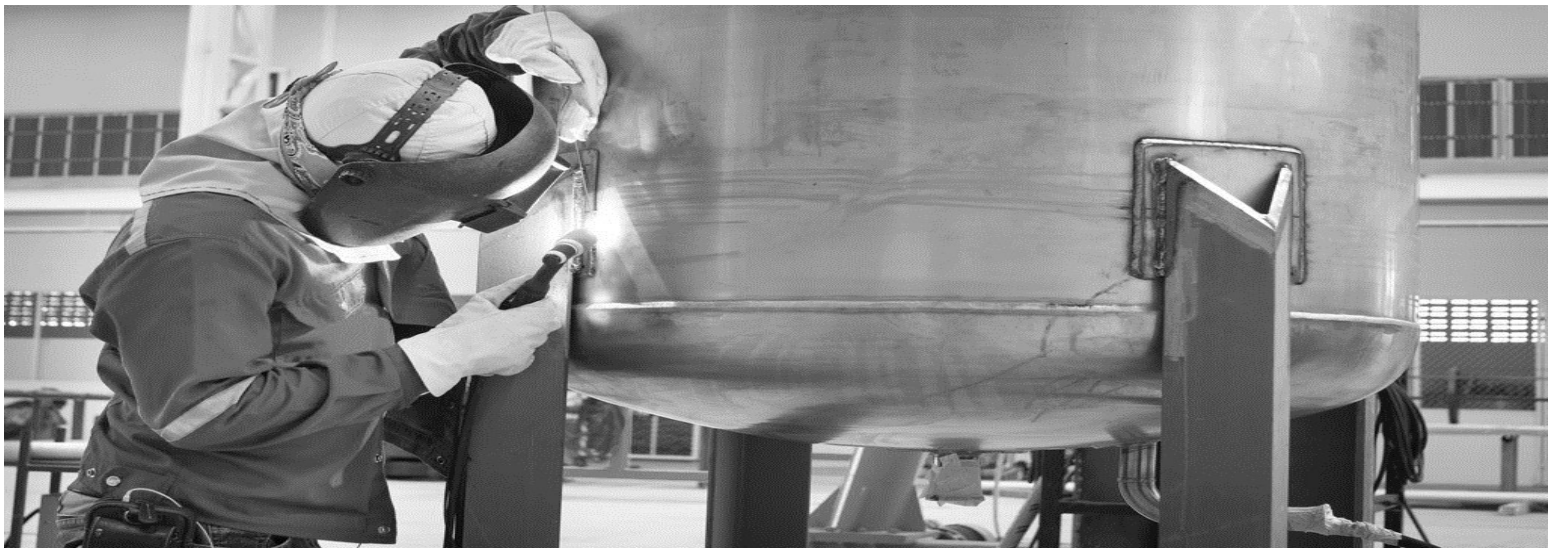
Branch: Construction of boiler-made assemblies



Code: BOILER
Option: Boilermaker/ Welder
Level : CAP
Prerequisites : First cycle study certificate
Opportunities :
The qualified boilermaker can become a team leader or foreman. With training, he can progress to a job as a tracer or enter a design office as a draughtsman or methods officer.

Description
A trade: boilermaker
The boilermaker shapes and assembles metal sheets over 3 mm thick, tubes and profiles (T-, U-, H- and L-shaped bars). He/she participates in the production of consumer products (household appliances, cars) or highly technological products (aeronautics, aerospace). Their work includes the following activities: studying the drawing representing the object to be manufactured; computer-assisted tracing of the shapes on the metal sheets; cutting the metal sheets according to the tracing; forming the metal, assembling and fitting the parts according to the drawing. Another profession: sheet metal worker A boiler making professional specialising in metal work, the sheet metal worker makes

assemblies from metal sheets less than 3 mm thick, in steel, aluminium and copper metals. They make ventilation ducts, grain silos, lift casings and car bodies. After studying the plans and shapes to be made, he draws the templates (shapes) on the sheet metal, and makes the parts using various techniques (cutting, bending, stamping). Then, he carries out the finishing operations (levelling of surfaces, etc.), assembles the parts by screwing or welding them.

Another trade: welder

The welder assembles the parts made by other specialists. From technical documents, he welds everyday objects (e.g. water heaters), products and appliances for the nuclear industry, pipelines for the chemical industry, steel construction or tubular structures for oil platforms. Increasingly, welders are performing other welding-related operations such as cutting, shaping and, above all, straightening.

Quality and competences :

Mathematics and geometry are important.