

Filière: Technical equipment-Energy



Code: SFHCAF

Option: Sanitary fitter, heating, cooling and air conditioning fitter

Level : BEP

Prerequisites : BEPC and/or CAP

Opportunities :

Depending on the field of study chosen, the student with a BEP in Energy Technical Equipment can work in an SME, a repair company or in a craftsman's workshop to install, commission or maintain individual, industrial or commercial sanitary, heating or refrigeration equipment.

Description

For sanitary fitters: on kitchen, bathroom and toilet equipment, on hot and cold water installations, on waste water evacuation installations, on fire equipment, wherever the work is carried out (private homes, public buildings, new or old buildings, industrial premises, etc.)

For heating installers: on heating equipment, boilers, oil or gas burners, in all types of buildings (individual houses, commercial or industrial premises, public buildings, etc.)

For refrigeration and air-conditioning installers (refrigeration fitters): on industrial or commercial refrigeration equipment such as refrigerated display cabinets, cold rooms or cold stores. However, they do not work on domestic

refrigerators or freezers, which are the responsibility of household equipment maintenance technicians.

By reading a diagram of an existing installation in order to make modifications or by drawing up a diagram of a new installation

By shaping and assembling pipes and ducts using bending machines, torches, fittings, etc.

By connecting appliances to pipes, ducts and/or internal electrical networks using different techniques (assembly by screwing, gluing, welding, etc.) by changing, repairing and maintaining installations already in place, in compliance with safety rules

By carrying out measurements and adjustments (level, flow rate, pressure, temperature, etc.) in order to detect any faults or breakdowns and to ensure that the optimal operation.

Quality and competences :

The student who is destined for this BEP must be in good physical condition as he/she may have to carry and move cumbersome and heavy equipment or appliances (baths, boilers, water heaters, etc.). He/she must be able to work in uncomfortable positions (bent over, lying down, arms in the air, etc.). It should be noted that this work can be dirty.

The student will have to scrupulously respect strict safety rules, in particular when working on electrical circuits or gas or water pipes, or when handling certain tools such as a blowtorch.