

Branch: Wood and associated materials



Code: STFRFR

Option: Structure-Framework-Framework

Level : BEP

Prerequisites: BEPC and/or CAP

Opportunities :

In a carpentry company, craftsman or SME.

Description

As a skilled worker, to manufacture, on the basis of orders from project managers or architects, a framework or a staircase for an individual dwelling, an apartment block or an industrial building. The carpenter may also take part in building rehabilitation work and make various types of structures (garden sheds, street furniture, garages, etc.).

Structures are made from various types of wood "rough sawn" (unplaned planks) for frames or planed planks for stairs. The carpenter studies the overall plan of the structure requested by the customer (manufacturing drawing) and then prepares the manufacturing by making, on paper or other medium, a series of full-scale drawings (called "sketches") of parts of the structures, essentially the joints (sketch of the crossing of two beams, for example). He then carries out a series of operations in the workshop: tracing on the wood, cutting, shaping of the wood, assembly of the various elements, pre-assembly of the complete structure for verification, then disassembly, transport and final installation of the

structure at the customer's premises. This work is generally done in teams of three or four workers. It allows the production of single pieces or very small series, sometimes with the help of machine tools (sawing and planing machines for example).

Quality and competences :

The students who are destined for this BEP show a minimum of skill, care and precision in manual activities. They must also have a certain aesthetic sense. Good physical strength and good eyesight are required. The ability to imagine shapes and volumes in space and, more generally, a correct level of plane geometry are desirable...