

# Branch : Civil engineering



**Code :** WOCOTE

**Option :** Wood Construction Technician

**Level :** Bac Pro

**Prerequisites:**

**Opportunities :**

Graduates work in craft or industrial construction companies.

They start out as professional journeymen, carpenters, workshop or site technicians in carpentry and wood construction.

**Description :**

The holders of this vocational baccalaureate work in the workshop and on site to manufacture and implement structural, framing and carpentry works in wood or wood-based materials. Their activity consists of: preparing the process of building a structure from the architectural file, concepts and standards of wood construction; building structures according to the current techniques and processes of prefabrication and implementation; organising, leading and managing the follow-up of a wood construction site as part of a team of several workers and professional companions. These professionals carry out their activities in craft or industrial companies that manufacture and install structural, framing and carpentry works in wood and wood products, in the fields of building, housing and the environment.

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### **Quality and competences :**

The aim of this professional bac is to train building technicians capable of manufacturing and installing structures, frameworks and frames made of wood or wood derivatives. These structures are vertical frameworks (post and beam systems, panels, wood sections), horizontal frameworks (beams, floors), frameworks, staircases, exterior structures (walkways, balconies, terraces).

Students learn to use CAD software, but also traditional drafting, hand sketching, freehand drafting and sketching.

They learn to carry out a simple project or part of a project (structural calculations, realisations). Students acquire the ability to propose technical solutions, draw up execution plans, material quantities, manufacturing quotations and processes. They are prepared to run an installation site through their professional training courses.

Notions in insulation, thermal, acoustic, waterproofing, aeration and ventilation, fire protection, mechanics and resistance of materials are also part of the programme.