

# Branch : Civil engineering



**Code :** BTOESW

**Option :** Building technician: organisation and execution of structural work

**Level :** Bac Pro

**Prerequisites :**

**Opportunities:**

Graduates work in new construction as well as in the rehabilitation, renovation and maintenance of old building structures. They are professional journeymen.

They are employed in the construction of individual houses, buildings and engineering structures, but also in general masonry work and the manufacture of concrete elements for construction.

These professionals can then become team leaders, or create a craft business

**Description :**

The holders of this diploma carry out, from directives, on new construction, renovation or rehabilitation sites, all the structural work in the following sectors: construction of individual houses, various buildings, engineering structures, general masonry work, manufacture of concrete elements for construction. They may work in a small or medium-sized business or in a large company. These professionals work alone or as part of a team and are often autonomous on the site. Their activity requires a good knowledge of materials and their implementation, equipment, technical and safety rules.

---

**Quality and competences :**

This vocational baccalaureate trains students to organise and carry out all the work related to their profession on various types of construction: individual houses, engineering structures, various buildings, etc.

The training gives them the necessary bases to participate in the constitution of the team, the choice of the material and the organization of the activities to be carried out.

On the site, students are prepared to monitor the work (planning, supply of materials, storage), to supervise and coordinate the work (earthworks, formwork, reinforcement, concreting, masonry). In addition, as future production quality managers, they develop the skills required to take part in control operations with a view to finishing and checking the conformity of the works.

The teaching provided gives them a good knowledge of materials, equipment, technical standards and safety rules enabling them to ensure the safety of workers and to take part in the implementation of prevention and protection measures.

The management and economy of the site (calculation of costs) are also on the programme.

