

# Branch : Mechanical and Production



**Code :** BUWMEW

**Option :** Building works: metalwork

**Level :** Bac Pro

**Prerequisites :**

**Opportunities:**

These graduates carry out their activities in different types of companies (mainly SMEs) in metalwork, locksmithing, metal construction, building envelope, facade or metal joinery.

After a few years' experience, they can become team leaders. They are in contact with a number of people involved in the building industry (representatives of clients and the project manager, suppliers, inspection bodies, etc.).

**Description :**

The holders of this vocational baccalaureate manufacture various assemblies: building structures (frameworks, frames, etc.), parts of the building envelope (windows, doors, parts of the facade or roof, etc.), distribution and protection works (partitions, walkways, fences, railings, etc.). They work in workshops and on site, in the context of new construction, rehabilitation or maintenance work. Their work consists of preparing the construction of a work from an architectural file (taking into account the concepts, standards and constraints of the company), using current manufacturing techniques and processes, leading a small team of workers and professional companions, organising and managing the activity and monitoring the construction site. Graduates join small and

medium-sized metalwork, locksmithing, metal construction, facades or metal joinery companies.

**Quality and competences :**

This vocational baccalaureate trains students to work in a workshop or on a building site, to manufacture, implement or maintain various metal works in the building or public works sector. This work is based on a study of the work carried out by a design office or methods department.

The knowledge acquired in the course of the vocational baccalaureate enables you to carry out the production, assembly and installation of assemblies. This may involve building structures (frameworks, floors, framing, etc.) or the building envelope (windows, doors, parts of roofs).

The student is also prepared to work on distribution and protection works (partitions, railings, etc.) and on exterior or interior fittings (street furniture, stairs, lift shafts, etc.).

He or she will be able to monitor the execution of the work as part of a team of several professionals, but also to ensure the quality of the work and compliance with safety regulations.