

# Branch : Building design technician



**Code :** ARCASS

**Option :** Architectural assistant

**Level :** Bac Pro

**Prerequisites:**

**Opportunities:**

Graduates work primarily in architectural and project management firms, but they can also work for local authorities, institutional clients, large public and private groups, landscape architects and interior architects.

**Description :**

This training focuses on the acquisition of technical and economic knowledge in all areas of construction. The holders of the architectural assistant option intervene in three areas: architectural work, technical or administrative studies as well as the monitoring of work that does not require major commitments from the project owner. After surveying and describing the works for the project, they produce sketches, models and perspectives. CAD and image processing techniques and software are used. Architectural assistants work mainly in architectural and project management firms in the construction, renovation and rehabilitation of building structures.

**Quality and competences :**

This vocational baccalaureate trains students to translate architectural projects graphically. Their fields of intervention: architectural work, technical or

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administrative studies, monitoring of work. It may involve new construction, renovation or rehabilitation of structures (houses, industrial buildings, public facilities, etc.).

The knowledge acquired during the training course enables them to intervene in all phases of an architectural programme. For the preliminary project, they are trained to carry out the sketch of the preliminary studies and a diagnosis (survey of works, summary model...). The skills acquired are necessary to carry out the preliminary design via calculations, 2D and 3D documents, and a description of the architectural choices.

The students learn to intervene during the project phase: project study through CAD, architectural drawings, technical studies and through the creation of models; the objective is to prepare them to assist the project owner.

For the execution phase, the knowledge acquired enables them to produce drawings and execution plans (graphically translate technical choices), to monitor and control the work until the end of the project.