

# Branch : Mechanical and Production Engineering



**Code :** TOOTEC

**Option :** Tooling technician

**Level :** Bac Pro

**Prerequisites:**

**Opportunities:**

Graduates can work in tooling construction companies or in the manufacturing or maintenance departments of other companies in the automotive, aeronautical and other industries.

He or she may participate in a project group in the context of the production and development of tools. Depending on the case, they may coordinate a small team.

**Description :**

This vocational baccalaureate enables students to learn how to make tools that give shape to metals, plastics and rubbers in order to produce a wide variety of objects in large quantities (plastic bottles, car bodies, tableware, mobile phone fronts, etc.). These tools are used for cutting, stamping and moulding metal materials, injecting plastic materials, forging, stamping and stamping. Graduates can work in tool construction companies or in the integrated manufacturing or maintenance departments of other companies (in the fields of automobile construction, aeronautics, etc.).

## Quality and competences :

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produced, the specifications and the operating process, they know how to identify the constituent elements, justify the proposed solutions and, if necessary, formulate proposals intended to improve costs, quality and manufacturing times.

Each student is prepared to establish the manufacturing programme by identifying the different stages, ordering them, and designating the best processes: choice of tools, cutting parameters. They acquire the essential techniques for making and assembling the constituent parts of the tooling with machine tools (particularly numerically controlled machines).

The skills developed enable them to check the correct operation and conformity of the tooling.

Finally, thanks to this training, they will be able to modify the tooling or repair it if necessary