

## FICHA DE PERFIL DE CICLO FORMATIVO

### Full name of the formative cycle

*Técnico Superior en Programación de la Producción en Fabricación Mecánica*

### Skills that the student must develop

The general competence of this title consists of planning, programming and control the manufacture by machining and mounting of equipment, from the documentation of the process and product specifications to manufacture, ensuring the quality of management and products,

As well as the supervision of occupational risk prevention systems and environmental protection.

- He Will determine machining processes, interpreting drawings, standards and catalogues
- He will supervise the programming and commissioning of NC machines, robots and manipulators according to quality standards, PRL and environment.
- He(She) will programme the production controlling that are fulfilled and answering to contingencies
- He(She) will calculate the necessary supply

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He ( she ) will ensure manufacturing processes tailored to established procedures supervising and controlling the development of the same ones and solving possible risks that could appear.

- He ( She ) will manage the maintenance of the resources of his (her) area, programming and verifying their compliance according to workloads and the need for maintenance.
- He ( She ) will maintain the models of management and systems of quality, prevention of labor risks and environmental protection, supervising and auditing the fulfillment of norms, processes and instructions and managing the documentary record.
- He(She) will organize, coordinate and will promote the work in team (equipment) of all the members, depending on the requirements of productive processes, motivating and exercising positive influence on them.
- He ( She ) will promote the innovation, progress and adaptation of the members of the team(equipment) to the functional or technological changes to increase the competitiveness.
- He(She) will recognize the personal and social technical competitions of its team(equipment) planning the actions of learning to adapt them to the required needs.
- He(She) will create and manage a small enterprise, realizing a feasibility study of products, of planning of the production and of commercialization.

### Possible companies (to specify the positions to be occupied in every type of company).

- In a metrology laboratory may be responsible for quality control and verification of parts.
- In a company of design he can be a programmer CAM (CATIA).
- In a mechanical workshop can be a qualified operator in machine tools both conventional and numerical control,

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### Possible tasks in the workplace

- Mechanical technicians, responsible for metal-processing facilities, responsible for machine operators to work metals, responsible for assemblers, CNC Programmer, programmer of automated systems in mechanical manufacturing, programmer of the production.