

Leonardo da Vinci Programme

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## **Qualification Grid for the Vocations Electromechanical and Metal Cutting Technician in Spain**

This document is a compilation of competences given to students of the following vocations: Electromechanical Technician and Metal Cutting Technician.

In Spain there are four diplomas identified for this two vocations. For each vocation, first one corresponds to middle grade diploma and second one corresponds to upper grade diploma.

### 1) Electromechanical Technician

1.1) Electromechanical machinery set up and maintenance, and line installation.

1.2) Electrotechnic facilities.

### 2) Metal Cutting Technician

2.1) Mechanized.

2.2) Production by mechanized.

#### **1.1. Electromechanical machinery set up and maintenance, and line installation**

Competences provided. When finishing the studies, this person will be able to:

- To assembly and to maintain machinery and electromechanical equipment
- To assembly and to maintain the systems electrical and electronic of machinery and industrial equipment
- To lead and to maintain the equipment industrial of automated lines of production
- To lead the administration, management and commercialization in a small company or factory

## **1.2. Electrotechnic facilities**

Competences provided. When finishing the studies, this person will be able to:

- To develop processes and methods of maintenance and repair and to organize its execution
- To manage and to supervise to the processes of installation, maintenance and repair of the industrial equipment, doing industrial equipment set up.
- To develop projects in order to modify and improve industrial equipment.

## **2.1. Mechanized**

Competences provided. When finishing the studies, this person will be able to:

- To determine the processes of mechanized of unitary pieces
- To prepare and to program machines and systems to proceed to mechanize
- To mechanize products by metal cutting procedures
- To mechanize special products by abrasion, conformed and other special procedures
- To verify the characteristics of the product
- To lead the administration, management and commercialization in a small company or factory

## **2.2. Production by mechanized**

Competences provided. When finishing the studies, this person will be able to:

- To develop operational processes of mechanized, conformed and assembly
- To develop the programming of systems automated of mechanized, conformed and assembly
- To program and to control the production in mechanical manufacturing
- To manage and to supervise the production in mechanical manufacturing
- To control the quality in mechanical manufacturing

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