

**Title and name of qualification**

<b>Graduation title</b>	Engineer				
<b>Name of qualification</b>	<b>The engineering of metallic material elaboration</b>	Qualification code	<b>L20704017020</b>	Contact person	Contact ACPART - ACPART

**Identification elements related to qualification**

<b>Education level:</b>	Bachelor Studies
<b>Fundamental domain of study:</b>	Engineering Science
<b>Branch of science:</b>	Mechanical Engineering, Mecatronics, Industrial Engineering and Management
<b>Domain-based ranking:</b>	Materials Engineering
<b>Domain of study:</b>	Materials Engineering
<b>Study programme:</b>	The engineering of metallic material elaboration
<b>Total number of credits:</b>	240
<b>Length of study:</b>	4 years
<b>Prerequisites:</b>	
<b>Details:</b>	

**Summary of qualification****Professional competences:**

Performing calculations, demonstrations and applications for solving of the specific materials engineering tasks, based on the knowledge of Fundamental Science.

The combination of the scientific knowledge, principles and methods with the graphical representations to solve specific tasks.

The design of technological processes in the metallurgical industry.

The coordination of the specific processes to obtain and characterize metallic materials.

The implementing of green technologies and establishing the techniques and technologies of waste recovery .

The management and marketing of the activities in the metallurgical industry.

**Cross- disciplinary competences:**

The implementation of the values and ethics of the engineering profession and the responsible performance of professional tasks under the conditions of restricted autonomy and qualified assistance. The promotion of the logical convergent and divergent reasoning, of practical applicability, of evaluation and self-evaluation in decision making.

To carry out activities and perform specific roles in work team, at any hierarchical level. To promote initiative, dialogue, cooperation, positive attitudes, respect towards others, diversity and multiculturalism and permanent improvement of one's own activity.

The objective self-evaluation of the need of life-long professional formation in view of adequate insertion into the labor market and the readjustment to the dynamics of personal and professional development. The efficient use of the multilingual abilities and knowledge of IT technology.