

(cf. RNCIS: [http://www.rncis.ro/portal/page?\\_pageid=117,70218&\\_dad=portal&\\_schema=PORTAL](http://www.rncis.ro/portal/page?_pageid=117,70218&_dad=portal&_schema=PORTAL))

### Title and name of qualification

<b>Graduation title</b>	Engineer				
<b>Name of qualification</b>	<b>Industrial informatics</b>	Qualification code	<b>L20702027050</b>	Contact person	Contact ACPART - ACPART

### Identification elements related to qualification

<b>Education level:</b>	Bachelor Studies
<b>Fundamental domain of study:</b>	Engineering sciences
<b>Branch of science:</b>	Mechanical engineering, mecatronics, industrial engineering and management
<b>Domain-based ranking:</b>	Industrial engineering
<b>Domain of study:</b>	Applied engineering sciences
<b>Study programme:</b>	Industrial informatics
<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:

Appropriate use of the theoretical fundamentals of applied engineering.

Use of data processing and data management computer systems

Modeling and simulation of the technological equipment and processes in the industrial and energy systems.

Creation and implementation of computer systems for the management, control, adjustment and surveillance of energy and industrial processes.

Analysis and synthesis of the management systems of industrial processes using microprocessors and microcontrollers.

Configuration, implementation and use of the data acquisition systems.

#### Cross- disciplinary competences:

The use, within the legislation in force of the rights of intellectual property (including technological transfer), of the methodology of product certification, the principles, norms and values of the professional ethics code within one's own strategy of rigorous, efficient and responsible work.

Identification of specific roles and responsibilities within a multi-disciplinary work team and implementation of communication and organizational effectiveness techniques within the team.

Identification of lifelong learning opportunities and effective use of learning resources and techniques for one's professional development.