

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

Title and name of qualification

Graduation title	Engineer				
Name of qualification	Manufacturing engineering	Qualification code	L20702013010	Contact person	Contact ACPART - ACPART

Identification elements related to qualification

Education level:	Bachelor Studies
Fundamental domain of study:	Engineering sciences
Branch of science:	Mechanical Engineering, Mechatronics, Industrial Engineering and Management
Domain-based ranking:	Industrial engineering
Domain of study:	Industrial engineering
Study programme:	Manufacturing engineering
Total number of credits:	240
Length of study:	4 years
Prerequisites:	
Details:	

Summary of qualification

Professional competences:

- To perform calculations, demonstrations and develop specific applications for solving basic tasks involving background knowledge in industrial engineering
- To make combination of knowledge, principles and methods with graphics, in technical sciences field, for solving specific tasks
- To use software and computer assisted technologies for solving specific tasks, generally in industrial engineering domain, and particularly for aided design of the products
- To develop and to implement manufacturing processes
- To design and to exploit the industrial manufacturing equipment
- Planning, management and quality assurance of industrial manufacturing processes

Cross- disciplinary competences:

- Able to apply the values and ethics of the "engineer" profession and status; to be responsible for the execution of professional duties under circumstances of limited autonomy and qualified assistance; to promote logical reasoning, convergent and divergent thinking, practical applicability, proper assessment and self-assessment in decision making
- To perform professional tasks from various teamwork roles at different hierarchical levels; promoting the spirit of initiative, dialogue, cooperation, positive attitude and respect for others, diversity and multiculturalism; concern for continuous improvement of the knowledges and their activity
- Able to self-assess the needs for individual professional development and continuous training for a better labor market insertion and adaption to dynamic requirements of this. Effective use of language skills, IT and professional communication knowledges.