(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	**Materials process engineering**	Qualification code	**L20704017030**	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:	Materials Engineering
Domain of study:	Materials Engineering
Study programme:	Materials process engineering
Total number of credits:	240
Length of study:	4 years
Prerequisites:	
Details:	

Summary of qualification

Professional competences:

Performing calculations, demonstrations and applications meant to solve specific tasks in the engineering of materials, based on the knowledge acquired in fundamental sciences.

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

Technical assessment of industrial systems in material processing.

Designing technologies for material processing in accordance with the quality, environment protection and work safety norms.

Elaboration of strategies of marketing and of organizational management in the field-specific industrial systems.

Optimal administration of logistic and IT resources

Cross- disciplinary competences:

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

Carrying out activities and performing the specific role in the work team, at any hierarchical level. Promotion of the spirit of initiative, dialogue, cooperation, positive attitudes, respect for the others, diversity and multiculturality and the permanent improvement of one's own activity.

Objective self-evaluation of the need for life-long professional training in view of adequate insertion into the labor market and of adapting to the dynamics of personal and professional development. The efficient use of the multilinguistic abilities and knowledge of IT technology.