(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	**Mechatronics**	Qualification code	**L20703025010**	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:	Mechatronics and robotics				
Domain of study:	Mechatronics and robotics				
Study programme:	Mechatronics				
Total number of credits:	240				
Length of study:	4 years				
Prerequisites:					
Details:					
Summary of qualification					

Professional competences:

Aplying the general technical culture and speciality fundamental knowledge for solving technical problems that are particular to the Mechatronics and Robotics field

Developing and using schematics, structural and functional diagrams, graphical representations and specific technical documents for the Mechatronics and Robotics field

Execution of local automation applications in mechatronics and robotics using components and partially standard and non-standard assemblies

Design, execution and maintenance of subsystems and components of mechatronic systems

Design, execution and maintenance of electronic control subsystems for mechatronic systems

Aided design, execution and maintenance of mechatronic systems by integrating the component subsystems (mechanical, electronical, optical, informatical etc.)

Cross- disciplinary competences:

Acomplishing of the professional tasks with exact identification of the achievable objectives, available resources, final conditions, work stages, work time and respective execution times

Responsible execution of pluridisciplinary team tasks by asuming roles at different hierarchical levels

Identifying the need for continuous improvement and efficient use of the informational sources and of the communication resources and professional development