

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

Title and name of qualification

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|-----------------------|-----------------------------------------------------|--------------------|---------------------|----------------|-------------------------|
| Graduation title | Engineer | | | | |
| Name of qualification | Hydraulic and Pneumatic Machines and Systems | Qualification code | L20701018020 | Contact person | Contact ACPART - ACPART |

Identification elements related to qualification

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|------------------------------|-----------------------------------------------------------------------------|
| Education level: | Bachelor Studies |
| Fundamental domain of study: | Engineering Sciences |
| Branch of science: | Mechanical Engineering, Mechatronics, Industrial Engineering and Management |
| Domain-based ranking: | Mechanical Engineering |
| Domain of study: | Mechanical Engineering |
| Study programme: | Hydraulic and Pneumatic Machines and Systems |
| Total number of credits: | 240 |
| Length of study: | 4 years |
| Prerequisites: | |
| Details: | |

Summary of qualification

Professional competences:

Identification, defining and use of elements from fundamental sciences specific for engineering

The use of principles and graphic tools for description and design of systems.

Selection, installation, operation and maintenance of systems in the mechanical engineering field.

Interpretation and substantiation of theoretical and experimental investigation techniques in order to solve technical problems in the field of hydraulic and pneumatic machines and systems

Applying analytical methods and numerical simulations in order to solve technical problems in the field of hydraulic and pneumatic machines and systems

The use of fundamental and complementary sciences in order to create theoretical approaches in achieving integrated quality management systems and related hydraulic and pneumatic machines

Cross- disciplinary competences:

Complying with the principles, norms and values of the professional ethics code by approaching a rigorous, efficient and responsible working strategy in solving problems and making decisions

Application of techniques of relationship and efficient work in multidisciplinary teamwork for various hierarchical levels within the working group – specific project management

Appropriate use of efficient learning methods and techniques throughout the entire life; appropriate use of information as well as of oral and written communication in a European language