Title and name of qualification

Graduation title	Engineer				
Name of qualification	**Automation and applied informatics**	Qualification code	**L20601022010**	Contact person	Contact ACPART - ACPART

Identification elements related to qualification

Education level:	Bachelor Studies
Fundamental domain of study:	Engineering sciences
Branch of science:	Systems engineering, computers and information technology
Domain-based ranking:	Systems engineering, computers and information technology
Domain of study:	Systems engineering
Study programme:	Automation and applied informatics
Total number of credits:	240
Length of study:	4 years
Prerequisites:	
Details:	

Summary of qualification

Professional competences:

Apply knowledge in mathematics, physics, measurement, technical drawing, mechanical engineering, chemistry, electronics and power electronics in systems engineering.

Operation with fundamental knowledge in computer science, information technology and communications.

Using fundamental knowledge in automation, modelling, simulation, identification and process analysis, computer-aided design.

Design, implementation, testing, use and maintenance of general purpose and dedicated equipment, including computer networks for automation and applied informatics.

Development of applications and implementation of automatic control structures using project management principles, programming environments, microcontroller based environments, signal processing, programmable logic controllers, embedded systems.

Apply knowledge in law, economics, marketing, business management and quality control in economic and managerial decisions.

Cross- disciplinary competences:

Apply (in legal context) intellectual property rights (including through technological transfer), product certification methodology and principles, norms and values of professional ethics in one's own strategy in terms of work efficency, rigour and responsiveness.

Identification of roles and responsibilities inside multi-specialized teams, decision making and task assignment, based on effective team working techniques.

Identification of career advancement and lifelong training opportunities, efficient exploitation of resources and learning techniques for self development.