Title and name of qualification

Graduation title	Engineer				
Name of qualification	**Biotechnical and ecological systems engineering**	Qualification code	**L20705019020**	Contact person	Contact ACPART - ACPART

Identification elements related to qualification

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

Summary of qualification

Professional competences:

Explanation of the anthropogenic or natural origin mechanisms, processes and effects that determine and influence the environmental pollution

Management and solving of specific environmental issues for sustainable development.

Analysis of the technical solutions necessary to prevent, reduce and eliminate the adverse phenomena on the environment

The use of legal norms and best available technologies (BAT) to prevent and mitigate the impact of natural and anthropogenic phenomena onto environment

Cooperation with the institutions responsible for environmental management and involvement in policy and environmental strategies definition

Coordination of activities and technological processes based on technical specifications

Cross- disciplinary competences:

Identification and compliance of the professional ethics and deontology rules, taking responsibility for the taken decisions and the related risks

Identification of the roles and responsibilities in a multidisciplinary team and application of relational techniques and effective workwithin the team

Efficient use of the informational sources and communication resources and professional assisted training (portals, Internet, specialized software, data bases, online courses, etc..) both in Romanian and in an international language