

(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	Medical Engineering	Qualification code	L20702027010	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:	Industrial Engineering
Domain of study:	Applied Engineering Sciences
Study programme:	Medical Engineering
Total number of credits:	240
Length of study:	4 years
Prerequisites:	
Details:	

Summary of qualification

Professional competences:

Appropriate use of the theoretical background of applied engineering sciences
Use of computer systems for data processing and management
Modelling of biological systems / biomechanical structures and model implementation in medical investigation
Creation, design, manufacturing and maintenance of medical devices
Working with medical devices in safe conditions for both patients and healthcare professionals
Design and manufacturing of medical devices for function substitution / assisting people with disabilities

Cross- disciplinary competences:

Application in the context of compliance with the legislation, of intellectual property rights (including technology transfer), product certification methodology, principles, norms and values of professional ethics code within its own strategies for rigorous, efficient and accountable work.

Identification of of roles and responsibilities within a team and implementing effective techniques and working relationships within the team.

Identification of continuous training opportunities and efficient use of resources and learning techniques for its own development