



“POLITEHNICA” UNIVERSITY OF TIMISOARA, ROMANIA

COMPETENCES OF UPT GRADUATE IN:

Fundamental domain: Engineering Sciences

Master’s degree study programme:

„BIOMEDICAL ELECTRONICS”

Bachelor degree: Electronic engineering and telecommunications

Crt. No.	Competences
1.	Knowledge of biomedical instrumentation.
2.	Principles of electronics and biomedical informatics to problems in various areas of health and biomedicine.
3.	Knowledge of biology, in particular aspects of genetic diseases, addressing computational biology and biomedicine.
4.	Principles of computer science and biomedicine, health issues.
5.	Selection, synthesis and evaluation of theories, models, techniques and methods of biomedical electronics and information science.
6.	Knowledge of current methods and technologies and the ability to select and apply biomedical projects.
7.	Critical skills, and innovative research in biomedicine.
8.	Communication skills, interdisciplinary cooperation, organization and team work management.