



**“POLITEHNICA” UNIVERSITY OF TIMISOARA, ROMANIA**  
**COMPETENCES OF UPT GRADUATE IN:**  
**Fundamental domain: Engineering Sciences**

**Master’s degree study programme:**

**„STATISTICAL METHODS AND TECHNIQUES IN HEALTH CARE AND  
CLINICAL RESEARCH”**

**(Bachelor degree: Systems engineering)**

<b>Crt. No.</b>	<b>Competences</b>
1.	Analysing the informational requirements for bio-medical data collection and processing.
2.	Documenting, both statistically and informationally, the proposed solutions for data processing in healthcare, clinical trials, pharmaceutical industry, and/or biotechnology, by integrating the knowledge and methods from applied mathematics, informatics, databases, and bio-medical sciences.
3.	Implementing clinical trails based on large sets of bio-medical data and applying the adequate data processing techniques.
4.	Solving real life problems by multidisciplinary team work and integration.
5.	Ability to be an independent, life-long learner, to continuously acquire new knowledge and competence in solving the practical challenges.