



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

Master’s degree study programme:

“COMPUTER TECHNIQUES IN ELECTRICAL ENGINEERING“

(Bachelor degree: Electrical engineering)

Crt. No.	Competences
1.	Analysis, modeling and simulation of electrothermal processes.
2.	Using and design electrical installation based on equipment with programmed logic.
3.	Using techniques of identification and adaptive control systems in electrical engineering.
4.	Using artificial intelligence and neural networks in electrical engineering.
5.	Developing graphical user interfaces and using human - machine interfaces for monitoring and control processes in electrical engineering.
6.	Using advanced techniques of digital signal processing.
7.	Using of distributed and parallel computing and numerical methods in electrical engineering.