



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

Master’s degree study programme:

„ADVANCED SYSTEMS FOR INDUSTRIAL USE OF ELECTRICITY”

(Bachelor degree: Electrical engineering)

Crt. No.	Competences
1.	Implementation of knowledge regarding the electrothermal processing of materials.
2.	Analysis, modeling and simulation of electrothermal processes.
3.	Using and design of modern electrical machinery systems, electrical drives and static converters.
4.	Operation of electrical installations in terms of electromagnetic compatibility.
5.	Using artificial intelligence in controlling of processes in electrical engineering.
6.	Using and design electrical installation based on equipment with programmed logic.
7.	Using advanced techniques to measure the power quality.