



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

Master’s degree study programme:

**„ENERGY AND ECOLOGY IN THE FIELD OF THERMAL ENGINEERING AND
TRANSPORT VEHICLES”**

(Bachelor degree: Mechanical engineering)

Crt. No.	Competences
1.	Knowledge on advanced thermodynamic cycles, Knowledge and applications of the fundamentals in heat transfer and theory of combustion.
2.	Design of thermal systems.
3.	Project management.
4.	Energetic optimization of the equipment, Analysis, calculation and design of the fuel supply systems, Basic aspects of thermal environment, Development of abilities and advanced techniques on numerical modeling in thermal engineering.
5.	Waste management and bio-energy recovery, Quality of the thermal energy and management, Energy conversion, Environmental protection.
6.	Development of abilities in scientific research and project preparation.