



**“POLITEHNICA” UNIVERSITY OF TIMISOARA, ROMANIA**  
**COMPETENCES OF UPT GRADUATE IN:**

**Fundamental domain: Engineering Sciences**

**Master’s degree study programme:**

**„MICRO AND NANOMATERIALS”**

**Bachelor degree: Chemical engineering**

<b>Crt. No.</b>	<b>Competences</b>
	<i>Professional competences (85%)</i>
C1	Description, analysis and use of modern concepts and theories in the field of ceramic micro- and nanocomposites (20%)
C2	Identifying of a research topic and elaboration of a work plan in order to achieve the settled objectives (15%)
C3	Identifying, description and use of the modern investigation techniques adapted to the field of Micro and Nanomaterials and other related fields(15%)
C4	Use of the basic principles of research management (15%)
C5	Application of the scientific research principles specific for the domain and making an oral/written communication to present the obtained results in a clear and convincing manner (20%)
	<i>Cross competences (15%)</i>
CT1	Resolving complex professional tasks in compliance with rules of professional ethics and moral conduct, following a personalized work plan established based on the individual study (5%)
CT2	Planning, monitoring and taking professional duties of a subordinate group of work (5%)
CT3	Continuous information and documentation in working and related fields, in conjunction with the labor market needs (5%)