

## Standard Master program in Chemistry (Inorganic Chemistry)

(Dated October 29<sup>th</sup>, 2015)

The total minimum required number of credits:	<b>64 credits</b>
- General courses (required):	<b>07 credits</b>
- Fundamental and core courses:	<b>39 credits</b>
+ Required:	<b>18 credits</b>
+ Elective:	<b>21/42 credits</b>
- Master thesis:	<b>18 credits</b>

### Available curriculum

	Code	Subjects	Credits	Credit hours			Prerequisite
				Lecture	Practice	Self-study	
<b>I</b>		<b>General courses</b>	<b>7</b>				
1	PHI5001	<i>Philosophy</i>	3	30	15	0	
2	ENG5001	<i>General English</i>	4	30	30	0	
<b>II</b>		<b>Fundamental and core courses</b>					
<b>II.1.</b>		<b>Required</b>	<b>18</b>				
3	ENG 6001	<i>English for Academic Purposes</i>	3	45	0	0	
4	CHE6000	<i>Chemometrics</i>	3	45	0	0	
5	CHE6001	<i>Quantum method in Chemistry</i>	3	35	10	0	
6	CHE6002	<i>Modern Methods for Structure Analysis</i>	3	35	0	10	
7	CHE6100	<i>Advanced complex chemistry</i>	3	45	0	0	
8	CHE6101	<i>Advanced inorganic materials</i>	3	45	0	0	
<b>II.2.</b>		<b>Elective</b>	<b>21/42</b>				

	Code	Subjects	Credits	Credit hours			Prerequisite
				Lecture	Practice	Self-study	
9	CHE6102	<i>Nanomaterials</i>	3	45	0	0	
10	CHE6103	<i>Radiochemistry</i>	3	45	0	0	
11	CHE6104	<i>Rare earth element chemistry</i>	3	45	0	0	
12	CHE6105	<i>Inorganic biochemistry</i>	3	45	0	0	
13	CHE6106	<i>Physical Techniques in Inorganic Chemistry</i>	3	45	0	0	
14	CHE6107	<i>Composite materials</i>	3	45	0	0	
15	CHE6108	<i>Organometallic Chemistry</i>	3	45	0	0	
16	CHE6109	<i>Inorganic Compounds for Catalysts</i>	3	45	0	0	
17	CHE6305	<i>Analysis methods in radiochemistry</i>	3	45	0	0	
18	CHE6404	<i>Adsorption and chemistry of surface</i>					
19	CHE6503	<i>Industrial chemical processes</i>	3	45	0	0	
20	CHE6603	<i>Chemistry of catalysis</i>	3	45	0	0	
21	CHE6607	<i>Chemistry and Surfactant Chemistry</i>	2	30	0	0	
22	CHE6709	<i>Waste Recycling and Reuse Technologies</i>	2	30	0	0	
23	CHE6711	<i>Materials in Environmental Treatment</i>	2	30	0	0	
<b>III</b>	CHE7201	<b><i>Master thesis</i></b>	<b>18</b>				
		<b>Total</b>	<b>64</b>				