

## PhD program in Inorganic Chemistry (2013)

The total minimum required number of credits:	103 credits
- Coursework:	23 credits
+ Basic courses:	13 credits
• Required:	09 credits
• Elective:	04/8 credits
+ Advanced foreign languages for academic purposes:	04 credits
+ Advanced courses:	04 credits
+ Overview:	02 credits
- Research	
- PhD Thesis:	80 credits

### Available curriculum :

No	Code	Subjects	Credits	Credit hours			Prerequisite
				Lecture	Practice	Self-study	
<b>I</b>	<b>Part 1. Coursework</b>						
<b>I.1</b>	<b>Basic courses</b>		<b>13</b>				
<i>I.1.1</i>	<i>Required</i>		<b>9</b>				
1	CHE8010	<i>Selective chapter in inorganic chemistry 1</i>	3	30	15		
2	CHE8011	<i>Selective chapter in inorganic chemistry 2</i>	3	30	15		
3	CHE8012	<i>Mechanism of inorganic reactions</i>	3	30	15		
<i>I.1.2</i>	<i>Elective</i>		<b>4/8</b>				
4	CHE8013	<i>Complexes with bioactivity</i>	2	30			

No	Code	Subjects	Credits	Credit hours			Prerequisite
				Lecture	Practice	Self-study	
5	CHE8014	<i>Synthesis methods of materials</i>	2	30			
6	CHE8015	<i>Substitution and matrix reactions</i>	2	30			
7	CHE8016	<i>Complexes and their application for synthesis of advanced material</i>	2	30			
<b>I.2</b>	<b>Advanced foreign languages for academic purposes</b>		<b>4</b>				
8	ENG8001	<i>Advanced English for Academic Purposes</i>	4			60	
<b>I.3</b>	<b>Advanced courses</b>		<b>4/8</b>				
9	CHE8017	<i>Application of rayon X for structural determination</i>	2	30			
10	CHE8018	<i>Corrosion processes of inorganic materials</i>	2	30			
11	CHE8019	<i>Physical and mechanical properties of inorganic materials</i>	2	30			
12	CHE8020	<i>Methods for separating and refining of rare elements</i>	2	30			
<b>I.4</b>	<b>Overview</b>		<b>2</b>				
13	CHE8021	<b>Overview</b>	2			30	
<b>II</b>	<b>Part 2. Research (research planning, publishing ...)</b>						
<b>III</b>	<b>Part 3. Doctoral Thesis</b>						
14	CHE9001	Doctoral Thesis	80				
		<b>Total</b>	<b>103</b>				