

## Chemistry Master's Degree (Second Cycle) Program Outcomes

The student:

1. improves and deepens his/her knowledge in the related divisions (Physicochemistry, Organic Chemistry, Inorganic Chemistry and Analytical Chemistry) at a level of expertise basing on the competences at graduate level of Chemistry.
2. uses theoretical and applied information acquired in relation with the his/her field at a level of expertise
3. can analyze the problems in the field by using the methods of comprehension and research methods
4. evaluates the information and skills acquired in the field at a level of expertise by adopting a critical approach, and direct his/her own learning process
5. supports the up-to-date developments in the field and his/her own works with quantitative and qualitative data, and systematically transfers them to the groups of other fields in written, verbally and visually
6. uses the information and communication technologies as well as the computer software at the level required by the field
7. pursues and guards the social, scientific, cultural and ethical values while gathering, interpreting, applying and announcing the data related to the field, and can teach the aforementioned values
8. develops strategy, policy and implementation plans for the issues related to his/her field, and evaluates the results obtained within the framework of quality
9. integrates the information acquired in the field with those from different disciplines, interprets them and generate new information