

Chemistry PhD Program Outcomes

The student:

1. improves and takes up-to-date and advanced level of information in the fields/subjects where works are conducted basing on the requirements of Master of Science in Chemistry, to a level of expertise through original way of thinking and/or research, and finds original definitions that will be innovative in his/her field.
2. comprehends the interdisciplinary interaction to which the field/subject is related; obtains original results by using the information that require an expertise for analyzing, synthesizing and evaluating new and complex ideas.
3. evaluates and uses new information in his/her subject by adopting a systematic approach.
4. critically analyzes, synthesizes and evaluates new and complex ideas.
5. have the high level of skills for using research methods in the works related to his/her field/subject.
6. contributes to the improvement in his/her field through independently carrying out an original work which will introduce an innovation to the field/subject, develop a new idea, method, design and/or practice, or applies a formerly known idea, method and design to a different field.
7. supports his/her original ideas during the discussions with experts on the subjects of his/her field and communicates effectively in a way to prove his/her competence
8. contributes to the process of making the society s/he is living a society of information and maintaining this attitude through promoting the scientific and technological improvements in his/her field.
9. contributes to the solution of social, scientific, cultural and ethical problems of the subjects in his/her field, and supports the improvement of aforementioned values.