

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

Upon successful completion of the programme, the student:

1. is able to use course books which contain updated information in the field of chemistry, practice tools and equipment and the other scientific resources at advanced level
2. being able to assess the concepts, ideas and data in the field of chemistry with scientific methods; to analyse them; to make discussions; develop suggestions based on proofs and researches
3. being able to show to independently carry out advanced level studies and learning with learning skills and critical thought
4. being able to apply the concepts of chemistry in the research laboratories
5. being able to conduct independently a field specific advanced-level study and evaluate consequences and implement when needed
6. being able to evaluate advanced-level knowledge and skills related to the field critically and guide learning and conduct advanced-level study independently
7. to transfer current developments in the field and their own works systematically to the in and out groups in written, oral and visual ways
8. to develop strategy, policy and implementation plans in issues related to the field and evaluate results within the framework of quality processes
9. to provide the skill of being able to search resources in order to obtain knowledge, and to reach databases and other information resources
10. to acquire the skill of effectively communicating in an oral and written way in Turkish; and being able to transmit a scientific subject in a way that it is suitable for technology
11. to take vocational and ethical responsibility after gaining the skill of being able to apply their knowledge in the field of working
12. to acquire computer software and hardware knowledge at the necessary level for the field of chemistry.