

Energy Science and Technologies Ph.D. Program Outcomes

1. To have the competence to independently perceive, design, implement, conclude and evaluate the research process on a unique and special subject with scientific dignity, together with the development and deepening of knowledge in the field of energy specialization,
2. To present a comprehensive study that brings scientific innovations in the field of energy, to develop a scientific method or to apply a known method to a field as a thesis, to publish it in national and international peer-reviewed journals, to contribute to science,
3. To have the ability to analyze, discuss and evaluate new and complex issues with the theoretical and applied knowledge gained in the field of energy.
4. By means of the ability to critically analyze knowledge, skills and also a study related to energy area that requires expertise on that area, directing and continuing independently, developing new strategies for the problems that are not foreseen and taking the responsibilities together with fulfilling the leader role, the ability to produce solutions for those problems.
5. By means of the ability to promote current development and studies by supporting with qualitative and quantitative data and to use computer software together with information and communication technologies with a required level, critical analyzing, developing, and altering, if required, social relationships and the norms directing these relationships, establishing written oral and visual communication with groups within energy or different fields.
6. Achieving advanced competence in establishing written and oral communication with scientific communities and the public, both in their own language and in a foreign language,
7. By means of the ability to inspect the steps like gathering, interpreting, implementing, and announcing related data with the energy area by overseeing scientific, cultural and ethical norms, teaching these norms, developing strategy, policy and action plans in related subjects and evaluating the obtained results by making the use of quality processes, using the gathered information and solving problems and/or implementation skills in the interdisciplinary strategies.
8. To be able to apply the acquired knowledge and skills during interdisciplinary studies and to reach a standard knowledge and competence that will enable access to doctoral programs.