

## Graduate Outcomes

1. **Ability to identify, formulate, and solve complex physics problems** by applying the foundational principles of physics and mathematics, accurately deriving equations and computing numerical results.
2. **Ability to apply physical concepts to develop technical solutions** for challenges in energy, environment, and medical and industrial applications that meet the needs of society and the labor market.
3. **Ability to design and conduct laboratory and field experiments**, collect and analyze data, calculate experimental errors, and interpret results in comparison with established physical theories.
4. **Ability to write scientific reports and research papers** according to academic standards, and deliver clear, persuasive oral presentations to both academic and industrial audiences.
5. **Ability to apply professional ethics, scientific integrity, and laboratory safety standards**, while evaluating the environmental and societal impacts of physical applications and technologies.
6. **Ability to work effectively within multidisciplinary teams**, manage research projects, identify potential laboratory hazards, and implement appropriate safety measures.
7. **Ability to use computational modeling, programming tools, and modern software** for data analysis and physical simulation, demonstrating self-learning skills for continuous professional development.