

<p style="text-align: center;">OBJECTIVES →</p> <p>OUTCOMES ↓</p>	1. are prepared for physics based professions or to enroll in physics graduate degree programs.	2. have mastered the fundamental notions and principles of experimental and theoretical physics, are able to learn independently, examine, critically evaluate.	3. are creative, able to communicate effectively in all modes of communication, open to team work and sociable.	4. are aware of their professional and ethical responsibilities, update their knowledge and abilities to compete globally.
1. a comprehension of the core areas of physics, including classical and quantum mechanics, electromagnetism, statistical and thermal physics				
2. a comprehension of basic mathematics, including differential and integral calculus, linear algebra, differential equations and complex analysis;				
3. a comprehension of computer programming and chemistry;				
4. a comprehension of the importance and practice of good ethical standards;				
5. a recognition of contemporary issues in science and its applications.				
6. an ability to construct theoretical models, solve problems, design and conduct experiments, as well as to analyze and interpret data;.				
7. an ability to demonstrate their understanding of at least one advanced topic in theoretical or experimental physics;.				
8. an ability to function on multi-disciplinary teams.				
9. an ability to effectively communicate information in both written and verbal form.				
10. a recognition of the need for and an ability to engage in life-long learning.				
11. an ability to use modern physics techniques, skills, and computing tools necessary for physics practice (use laboratory and workshop equipment to generate data, prepare technical drawings, prepare technical reports, give technical presentations, take notes effectively, write computer programs, use mathematics and/or computational tools and packages to make models).				