

M.A. PHYSICS

Mission Statement

The mission of the Department of Physics of the City College of New York is to combine research, teaching, and service in order to inspire, educate and prepare our students to be leaders in their chosen field of physics. In addition, our mission is to inculcate in students the culture of a rational approach and analysis to any problem or situation; to provide high-quality and comprehensive undergraduate and graduate educational programs that help students acquire an appreciation of the physical world as understandable and explainable in a logical way in terms of the laws of physics; to advance the frontiers of knowledge in physics through the creative research of faculty and students; to provide educational and scientific resources to the larger community.

Learning Outcomes

Based on our mission, the following goals have been established:

1. The Department of Physics will endeavor to
 - enable students to acquire knowledge of the basic laws of physics and their applications;
 - help students develop the ability to use mathematics and computers as tools to analyze physical problems;
 - train students to design and conduct experiments and to analyze and interpret data;
 - help students to develop the skills to communicate their results in a professional manner, both in oral and written forms.
2. The Department of Physics will endeavor to
 - conduct research in physics with a high standard of excellence that will lead to recognition at the national and international levels
 - promote interdisciplinary and collaborative research efforts both within and outside the College.

3. The Department of Physics will endeavor to

- prepare our students for entry into nationally-ranked graduate programs or professional schools, for careers in teaching or for employment in high-technology industry in both physics and physics-related areas;
- serve the larger community through teaching, research and outreach Programs.