Bachelor of Science in Optical Sciences and Engineering†
College of Optical Sciences

Program Educational Objectives

Graduates of the Bachelor of Science in Optical Sciences and Engineering will be employed in industry, graduate school, or other service and will meet the following Program Educational Objectives:

Objective 1:
To provide students with a first-rate education in the basic principles of optics and the mathematics and physics needed to understand the behavior of optical systems.

Objective 2:
To provide students with experience in applying optical principles to engineering problems and in developing the laboratory and computer skills needed for a career in optical engineering.

Objective 3:
To develop students' skills in effective communication and responsible teamwork, and to foster professional and ethical attitudes and a sense of social responsibility.

Objective 4:
To teach students the design process, and provide them with experience doing open-ended design projects.

† Accredited by the Engineering Accreditation Commission of ABET,
415 North Charles Street, Baltimore, MD 21201 | 410.347.7700.