

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:** Graduates will demonstrate a solid foundation in the basic principles of optics, mathematics, and physics necessary to understand a broad range of optical systems.
- Objective 2:** Graduates will be able to apply the optical engineering and engineering tools needed in an optical engineering career. These tools will allow them to design, build, and test systems that will incorporate optics as an enabling technology.
- Objective 3:** Graduates will be able to communicate effectively in oral, written, and graphical forms as needed in a multidisciplinary team. Graduates will contribute to society by following ethical standards and engaging in public and professional service activities. They will be able to succeed through their understanding and appreciation of the impact of engineering practice on society, the economy, and the environment.
- Objective 4:** Graduates will exhibit strong skills in problem solving. Our graduates will demonstrate a solid foundation in optical engineering fundamentals, experience in the design process, and in-depth experience in a chosen area which leads to success in their chosen careers.