



Bachelor of Science in Optical Sciences and Engineering[†]

James C. Wyant College of Optical Sciences

Student Outcomes

Upon graduation, graduates of the B.S. in Optical Sciences and Engineering at The University of Arizona will:

- Have a good understanding of the basic physics and mathematics underlying optical phenomena and optical systems. Correlates to ABET student outcomes 1.
- Are able to apply their understanding of physics and mathematics to solve current and future technical and engineering problems. Correlates to ABET student outcome 1,2; 7.
- Are able to effectively use current and future optical components, optical and electronic instruments, and computers to perform experiments and do testing in an optics laboratory. Correlates to ABET student outcome 6; 7.
- Are able to work effectively in teams to solve engineering and design problems. Correlates to ABET student outcomes 5; 3.
- Are able to design optical systems and components as needed in their professional careers. Correlates to ABET outcomes 2,6; 7.
- Are able to effectively communicate with others both orally and in writing. Correlates to ABET student outcome 3.
- Understand their professional and ethical responsibilities as engineering or scientific professionals. Correlates to ABET student outcome 4, 7.

These program educational objectives were developed in conjunction between our undergraduate curriculum committee (UGCC), faculty, students, Industrial Affiliates, and alumni.

- They were proposed at the end of 2016,
- Approved in May 2017 by the UGCC, and
- Minor updates to the wording to enhance clarification were made in April 2022.