

Bachelor of Science in Optical Sciences and Engineering[†]

College of Optical Sciences

Program Outcomes

Upon completion of the Bachelor of Science in Optical Sciences and Engineering degree, students demonstrate the following skills, knowledge, and behaviors:

- Have a good understanding of the basic physics and mathematics underlying optical phenomena and optical systems. Correlates to ABET outcomes A, E, H, K.
- Are able to apply their understanding of physics and mathematics to solve technical and engineering problems. Correlates to ABET outcomes A, E, I, K.
- Are able to effectively use optical components, optical and electronic instruments, and computers to perform experiments and do testing in an optics laboratory. Correlates to ABET outcomes B, C, E, J, K.
- Are able to work effectively in teams to solve engineering and design problems. Correlates to ABET outcome D.
- Are able to design optical systems and components as needed in their professional careers. Correlates to ABET outcomes B, C, D, E, G, I, K.
- Are able to effectively communicate with others both orally and in writing. Correlates to ABET outcome G.
- Understand their professional and ethical responsibilities as engineering or scientific professionals. Correlates to ABET outcomes F, H, I.