



## **Student Learning Outcomes**

**College:** Liberal Arts & Sciences

**Department:** Physics and Optical Science

**Degree Program:** PhD in Optical Science and Engineering

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- 1) Students will be able to demonstrate knowledge of principles of geometrical and physical optics, mathematics, optical properties of materials and electromagnetic wave theory. Students will be able to apply these principles to solve technical problems encountered in optics, and possess the necessary skills to develop a solution within a framework of critical thinking.
- 2) Students will be able to demonstrate good technical writing skills to convey logical arguments based on scientifically sound reasoning in the context of problem solving.
- 3) Students will be able to demonstrate good communication while defending their work by conveying logical arguments based on scientifically sound reasoning in the context of problem solving.