

ECSE 430. PHOTONIC DEVICES AND SYSTEMS.

Credits: 3

Offered by: Electrical & Computer Engr (Faculty of Engineering)

Terms offered: Fall 2025

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Description

Introduction to photonic devices and applications. Semiconductor lasers, optical amplifiers, optical modulators, photodetectors and optical receivers, optical fibers and waveguides, fiber and waveguide devices. Photonic systems (communications, sensing, biomedical). Experiments on characterizing photonic devices and systems. Optical test-and-measurement instrumentation.

- Tutorials assigned by instructor.
- (3-2-4)
- Prerequisites: (ECSE 352 or ECSE 354) and MIME 262.
- Tutorials assigned by instructor.

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