INTEGRATED DEVICES & PHOTONICS
Senior/graduate & Advanced graduate courses in EE

Quantum Electronics

ELEN E3106/E4106
Solid-State ✔

ELEN E4301
Intro. Semic. Devices

ELEN E4193
Mod. Disp. Sci. & Tech. ✔

ELEN E4944
Princ. Of Dev. Fabrication

ELEN E6945
Dev. Nano-fabrication

ELEN E9101
Sem. in Phys. Electronics

OR

ELEN E6331
Princ. Semic. Physics I

ELEN E6332
Princ. Semic. Physics II

ELEN E6333
Semic. Dev. Physics

ELEN E6151

ELEN E3401
Electromag.

ELEN E4401
Wave Trans. & Fiber Optics

ELEN E4411
Fund. of Photonics ✔

ELEN E4413
Lightwave Systems

ELEN E9301
Sem. In Elec. Devices

ELEN E4501
Electromag. Dev. & Ener.

ELEN E6412
Lightwave Devices

ELEN E6402
Sem. In Quant. Elect.

ELEN E4420
Topics in Electromag.

ELEN E6413
Lightwave Systems

ELEN E9403
Sem. In Photonics

ELEN E4488
Optical Systems ✔

ELEN E6414
Photonic ICs

ELEN E9404
Sem Lightwave Comm.

APPH E3100
Quan. Mech.

ELEN E4503
Sensors & Actuators

ELEN E6488
Optical Inter. & Inter. Net. ✔

ELEN E9040
Topics in Elec. & Comp. Eng. ✔

ELEN E3201
Circ. Anal.

ELEN E4510
Solar Energy & Smart Grid

ELEN E6430
Appl. Quant. Optics

ELEN E4511

ELEN E4510
Solar Energy & Smart Grid

ELEN E9101
Sem. in Phys. Electronics

ELEN E6901 Topic: Energy Storage for the Electric Grid (Fall ’23)
ELEN E6907 Topic: Emerging Nanoelectronic Devices (Fall ’19, ’13–’17)

Green = Senior/grad; Orange = Advanced graduate; Bold border = offered regularly;
Dotted lines = recommended preparation; Updated July 2023

Recent related topics courses:

❖ - Offered Fall ’23

ODE, Lin. Alg. & Semi. Phys

APPH E3100
Quan. Mech.