

Physics 267 : Analog & Digital Electronics and Instrumentation

This is a semester long course/laboratory combination that serves as an in-depth introduction to the theory and practice of analog/digital electronics and instrumentation. The course content may include: combinational logic, Boolean algebra, Karnaugh maps, sequential logic, digital circuit design, AC signals, equivalent circuits, filter theory and implementation, transistor theory and implementation, and operational amplifier circuits. Meets for one 80 minute class and one 3-hour lab per week (two sections of lab offered).

Credits 3

Prerequisite Courses

[Physics 156: General Physics II](#)

Corequisites

Includes a required corequisite lab, Physics 267L.