

Computer Engineering (CENG) Courses

CENG4030 Digital Integrated Circuit Design

This design course covers CMOS technology and hierarchical VLSI design methodology with a system perspective. Topics include VLSI processing technology, physical design, fabrication and layout process, floor planning, analog and digital simulation of integrated circuits, combination and sequential digital circuit, existing digital system integration, and digital to analog interface circuit. This is a project-based course that requires intensive design and simulation work on a computer.

Prerequisite(s): ENGN3150, ENGN3151, ENGN3180.

Offered at Providence

3 Semester Credits