

# CPE - COMPUTER ENGINEERING

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## CPE 201 - Digital Design

**Units: 3**

This course will introduce you to the fundamentals of number systems, binary arithmetic, Boolean logic and logic functions. We study the minimization of logic functions as sums of products, combinational circuits, sequential (state) machines, registers and register transfer, counters, memory and programmable logic devices. You will receive hands-on experience in laboratory experiments.

*Enrollment Requirements: Prerequisite: CS 135 with a 'C' or better; MATH 127 or higher or qualifying SAT, ACT, or Accuplacer score.*

*Term Offered: Spring and Fall*