Csci 530: Computer Architecture and Design
Computer & Information Science

This course studies the past evolution and current trends in computer architecture and the factors influencing the design of hardware and software components of computer systems. Topics include processor micro- architecture, instruction set architecture, hardware parallelism, memory subsystems, various processor design paradigms (superscalar, VLIW, multicore, and GPU), and performance analysis.

3 Credits

Prerequisites

- Csci 223: Computer Org. & Assembly Language

Instruction Type(s)

- Lecture: Lecture for Csci 530

Subject Areas

- Computer Science