

## **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](#)

