Computer Engineering Electives (Digital Hardware Concentration) 2023-2024

Students can choose an elective from the computer engineering elective list or from the following graduate elective list.

Digital Hardware Concentration Graduate-Level course list:
- CSE 207 Graph Algorithms
- CSE 220 Computer Architecture
- CSE 221 Advanced Microprocessor Design
- CSE 222A VLSI Digital System Design
- CSE 222B VLSI System-on-a-Chip Design
- CSE 225 Introduction to ASIC Systems Design
- CSE 226 Advanced Parallel Processing
- CSE 228A Agile Hardware Design
- CSE 229 Field-Programmable Gate Arrays Computer-Assisted Design
- CSE 234 Understanding Cryptography
- CSE 250A Computer Networks
- CSE 250B Principles of Computer Communication
- CSE 250C High Speed Computer Networks
- CSE 253 Network Security
- CSE 257 Wireless and Mobile Networks
- CSE 259 Sensor Networks
- CSE 264 Computer Vision
- CSE 265/DANM 231 Human-Computer Interaction
- ECE 215 Models of Robotic Manipulation
- ECE 216 Bio-Inspired Locomotion
- ECE 218 Mechatronics
- ECE 240 Introduction to Linear Dynamical Systems
- ECE 241 Introduction to Feedback Control Systems
- ECE 242 Applied Feedback Control
- ECE 244 Digital Control
- ECE 245 Estimation and Introduction to Control of Stochastic Processes
- ECE 246 Hybrid Dynamical Systems
- ECE 249 Introduction to Cyber-Physical Systems