Allowed Computer Engineering Electives (as of Fall 2020):

**Electrical Engineering Courses:**

- EE 4245 Digital Signal Processing
- EE 4340 Semiconductor Materials and Devices
- EE 4345 Hardware Digital Signal Processing
- EE 4360 VLSI Design
- EE 4440 Communication Theory
- EE 4590 Real Time Embedded Systems
- EE 4870 Computer Network Hardware
- EE 4990 Advanced Microprocessors
- EE 5390 Computer Architecture
- EE 5410 Neural and Fuzzy Systems
- EE 5430 3-D Computer Vision
- EE 5620 Digital Image Processing
- EE 5630 Advanced Image Processing
- EE 5650 Object and Pattern Recognition
- Multicore Programming
- Network Programming and Congestion Control
- EE 4800 Autonomous Cyber-Physical Systems
- EE 5885 Deep Reinforcement Learning
- EE 5885 Haptic Robotics

**Computer Science Courses:**

- COSC 3020 Algorithms and Data Structures
- COSC 4210 Web Application Development
- COSC 4220 Design and Implementation of Emerging Environments
- COSC 4450 Computer Graphics
- COSC 4550 Introduction to Artificial Intelligence
- COSC 4555 Machine Learning
- COSC 4560 Modern Robots and Softbots
- COSC 4730 Mobile Applications Programming
- COSC 4735 Advanced Mobile Programming
- COSC 4740 Operating Systems Design
- COSC 4760 Computer Networks
- COSC 4765 Computer Security

**Bioengineering Courses:**

- BE 5410 Rehabilitation Engineering

**Math Courses:**

- Math 4500 Matrix Theory