**Allowed Computer Engineering Electives:**

**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 5440: Geometric/Deep Computer Vision

EE 5460, Probabilistic Robotics

EE 5620 Digital Image Processing

EE 5630 Advanced Image Processing

EE 5650 Object and Pattern Recognition

EE 5670, Digital Image Formation

Multicore Programming/GPGPU for HPC

Network Programming and Congestion Control

EE 4800 Autonomous Cyber-Physical Systems

EE 4800 Intro to Quantum Computing

EE 5885 Deep Reinforcement Learning

EE 5885 Haptic Robotics

EE 5885 AI for Multi-agent Systems

EE 5885 Explainable AI (XAI)

EE 5885 Distributed Algorithms

EE 5885 Adv in 3D Comp Visio

EE 5885 Cooperative Robotics

**Bioengineering Courses:**

BE 5410 Rehabilitation Engineering

**Math Courses:**

Math 4500 Matrix Theory

**Computer Science Courses (max of 2):**

COSC 3020 Algorithms and Data Structures

COSC 3765 Computer Security

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 4010 nUWtech Lab Development

COSC 3900/4010/5010 Intro to VR/AR