Offered Course List - Spring 2017-18
(as of 21 Dec 2017 and subject to change)

CENG5210  Advanced Separation Processes
CENG5840  Nanomaterials for Chemical Engineering Applications
CENG6000K Numerical Methods for Chemical Engineers
CENG6000L Advanced Biochemical Engineering

CIVL5110  Engineering Risk, Reliability and Decision
CIVL5410  Physical-Chemical Water/Wastewater Treatment
CIVL5420  Biological Waste Treatment
CIVL5430  Aquatic Chemistry
CIVL5720  Advanced Foundation Design
CIVL5730  Theoretical and Computational Soil Mechanics
CIVL5830  Advanced Mechanics of Materials
CIVL6100I Environmental Hydraulics

COMP5111  Fundamentals of Software Analysis
COMP5212  Machine Learning
COMP5213  Introduction to Bayesian Networks
COMP5311  Database Architecture and Implementation
COMP5421  Computer Vision
COMP5622  Advanced Computer Communications and Networking
COMP5712  Introduction to Combinatorial Optimization
COMP6211B Statistical Learning for Text Data Analytics

ELEC5050  Advanced CMOS Devices
ELEC5080  Integrated-Circuit Fabrication Laboratory
ELEC5110  Nano-electronic Materials for Energy Technologies
ELEC5160  Digital VLSI System Design and Design Automation
ELEC5180  RF/Microwave Circuit Design and Measurement
ELEC5210  Advanced Topics in Nanoelectronics
ELEC5450  Random Matrix Theory and Applications
ELEC5460  Advanced Stochastic Optimization for Wireless Systems
ELEC5510  Switch Mode Power Converters
ELEC5650  Introduction to Networked Sensing, Estimation and Control
ELEC5810  Introduction to Bioinformatics Algorithms
ELEC5900  Modern Engineering Research Methodologies

IELM5250  Stochastic Models in Operations Research
IELM6100F Dynamic Programming under Uncertainty

MECH5230  Computational Fluid Dynamics and Heat Transfer
MECH5320  Convective Heat and Mass Transfer
MECH5480  Nanocomposite Science and Technology
MECH5950  Introduction to Microsystems: Technology and Devices
MECH5960  Flow Instability
MECH6910Q Fundamentals of Continuum Mechanics with Application to Crystalline Solids