

Tentative Course Offering Schedule for the Year 2018-19

(subject to change)

Fall 2018-19

Course Code	Course Title	Course Code	Course Title
ELEC1010	Electronic and Information Technology	ELEC3200	System Modeling, Analysis and Control
ELEC1030	The Rise of Autonomous Robots (TBC)	ELEC3300	Introduction to Embedded Systems
ELEC1100	Introduction to Electro-Robot Design	ELEC3400	Introduction to Integrated Circuits and Systems
ELEC1200	A System View of Communications: from Signals to Packets	ELEC3500	Microelectronic Devices and Technology
ELEC2100	Signals and Systems	ELEC4010K	Machine Learning and Information Processing for Robotic Perception
ELEC2100H	Honors Signals and Systems	ELEC4110	Digital Communications and Wireless Systems
ELEC2200	Digital Circuits and Systems	ELEC4120	Computer Communication Networks
ELEC2300	Computer Organization	ELEC4130	Digital Image Processing
ELEC2400	Electronic Circuits	ELEC4330	Mobile Embedded Systems: Hardware Platform, Software Development, and Applications
ELEC2420	Basic Electronics	ELEC4410	CMOS VLSI Design
ELEC2600	Probability and Random Processes in Engineering	ELEC4620	Photonics and Optical Communications
ELEC2600H	Honors Probability and Random Processes in Engineering	ELEC4810	Introduction to Biosensors and Bioinstrumentation
ELEC3100	Signal Processing and Communications	ELEC4820	Medical Imaging

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Spring 2018-19			
Course Code	Course Title	Course Code	Course Title
ELEC1010	Electronic and Information Technology	ELEC3400	Introduction to Integrated Circuits and Systems
ELEC1020	Media Production: Technology and Design	ELEC3500	Microelectronic Devices and Technology
ELEC1100	Introduction to Electro-Robot Design	ELEC3600	Electromagnetics: From Wireless to Photonic Applications
ELEC1200	A System View of Communications: from Signals to Packets	ELEC4010G	Control System Design
ELEC2100	Signals and Systems	ELEC4010I	Building Interactive Intelligent Systems
ELEC2200	Digital Circuits and Systems	ELEC4010J	Introduction to Neural Engineering and Bio-robots
ELEC2300	Computer Organization	ELEC4010M	Robotic Manipulation and Mobility
ELEC2400	Electronic Circuits	ELEC4120	Computer Communication Networks
ELEC2500	Introduction to Smart Electric Power Systems	ELEC4310	Embedded System Design
ELEC2600	Probability and Random Processes in Engineering	ELEC4430	Integrated Power Electronics
ELEC3100	Signal Processing and Communications	ELEC4510	Semiconductor Materials and Devices
ELEC3200	System Modeling, Analysis and Control	ELEC4530	Fundamentals of Photovoltaic and Renewable Energy
ELEC3300	Introduction to Embedded Systems	ELEC4610	Engineering Optics