

EECE Spring 2023 - Courses Offered

June 3, 2022

Undergraduate Electives

Undergraduate Computer Engineering Electives

<u>Area</u>	<u>Course Number</u>	<u>Name of Course</u>
<u>Hardware</u>	COEN 4790	Developments in Computer Hardware
<u>Software</u>	COEN 4650	Introduction to Algorithms
	COEN 4690	Developments in Computer Software: <i>Computer Networks</i>
<u>Intelligent Systems</u>	COEN 4650	Introduction to Algorithms
	COEN 4690	Development in Computer Software
	COEN 4860	Introduction to Neural Networks and Fuzzy Systems
	COEN 4890 (depth only)	Developments in Intelligent Systems Industrial AI

Undergraduate Electrical Engineering Electives

<u>Area</u>	<u>Course Number</u>	<u>Name of Course</u>
<u>Electronic Devices and Systems</u>	ELEN 4490	Developments in Devices
<u>Signals, Systems and Control</u>	ELEN 4310	Control Systems
	ELEN 4560	Communication Systems
<u>Electromagnetic Fields and Communications</u>	ELEN 4560	Communication Systems
	ELEN 3120	Electromagnetic Fields 2
<u>Power and Energy</u>	ELEN 3210	Electric Drives
	ELEN 4220	Power Electronics
	ELEN 4240	Protection & Monitoring of Electric Energy Systems
<u>Computer Hardware and</u>	COEN 4690	Developments in Computer Software: <i>Computer Networks</i>

Undergraduate Required Courses

Undergraduate Computer Engineering Required Courses

<u>Course Number</u>	<u>Name of Course</u>
EECE 1610	Computer Programming
EECE 1210	Intro to EECE 2
COEN 2020	Electric Circuits 2
EECE 2030	Digital Electronics
EECE 2035	Circuits Lab 2
COEN 2610	Software Methodologies
COEN 4710	Computer Hardware
COEN 4998	Senior Design Project 2

Undergraduate Electrical Engineering Required Courses

<u>Course Number</u>	<u>Name of Course</u>
EECE 1610	Computer Programming
EECE 1210	Intro to EECE 2
ELEN 2020	Electric Circuits 2
EECE 2030	Digital Electronics
EECE 2035	Circuits Lab 2
ELEN 2040	Engineering Systems
ELEN 3025	Instrumentation Lab
ELEN 3030	Analog Electronics
ELEN 4998	Senior Design Project 2

Other Courses

<u>Course Number</u>	<u>Name of Course</u>
ELEN 3001	Electric Circuits and Machinery

Graduate Courses

<u>Course Number</u>	<u>Name of Course</u>
EECE 5240	Protection & Monitoring of Electric Energy Systems
EECE 5310	Control Systems
EECE 5650	Introduction to Algorithms
EECE 5690	Computer Networks
EECE 5710	Computer Hardware
EECE 5790	Developments in Computer Hardware
EECE 5860	Introduction to Neural Networks and Fuzzy Systems
EECE 5890	Developments in Intelligent Systems Industrial AI
EECE 6020	Probability Stochastic Process
EECE 6110	Advanced Electromagnetic Fields
EECE 6220	Advanced Concepts in the Design and Modeling of Electric Machines and Drives
EECE 6320	Optimal Control
EECE 6340	Stochastic Systems Estimation and Control
EECE 6530	Chaos and Nonlinear Signal Processing
EECE 6931	Energy Law
EECE 6932	Advanced Topics: Intro to Microelectromechanical Systems
EECE 6952	Department Colloquium