

Tentative UG Course Offering Schedule for the Year 2026-27

(subject to change)

Fall 2026-27			
Course Code	Course Title	Course Code	Course Title
ELEC1010	Electronic and Information Technology	ELEC3410	CMOS VLSI Design
ELEC1100	Introduction to Electro-Robot Design	ELEC3500	Integrated Circuit Devices
ELEC1150	Information Technology Revolution: Past, Present and Future	ELEC3810	Data Science for Neural Engineering
ELEC1200	A System View of Communications: from Signals to Packets	ELEC4010U	Error-Correcting Codes and Basic Information Theory
ELEC1300	Introduction to Microelectronics and Integrated Circuits	ELEC4110	Digital Communications and Wireless Systems
ELEC2100	Signals and Systems	ELEC4220	Robotics: Modeling, Control and Planning
ELEC2350	Introduction to Computer Organization and Design	ELEC4240	Deep Learning in Computer Vision
ELEC2400	Electronic Circuits	ELEC4320	FPGA-based Design: From Theory to Practice
ELEC2600	Probability and Random Processes in Engineering	ELEC4420	Analogue Integrated Circuits Design and Analysis
ELEC3120	Computer Communication Networks	ELEC4430	Integrated Power Electronics
ELEC3200	System Modeling, Analysis and Control	ELEC4450	Practical Considerations of Analog Integrated Circuit Design
ELEC3300	Introduction to Embedded Systems	ELEC4530	Fundamentals of Photovoltaic and Renewable Energy
ELEC3310	Digital Fundamentals and System Design	ELEC4720	Business for Electronic Engineers
ELEC3400	Introduction to Integrated Circuits and Systems	ELEC4810	Introduction to Biosensors and Bioinstrumentation

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Spring 2026-27

Course Code	Course Title	Course Code	Course Title
ELEC1010	Electronic and Information Technology	ELEC3400	Introduction to Integrated Circuits and Systems
ELEC1030	The Rise of Autonomous Robots	ELEC3500	Integrated Circuit Devices
ELEC1100	Introduction to Electro-Robot Design	ELEC3600	Electromagnetics: From Wireless to Photonic Applications
ELEC1200	A System View of Communications: from Signals to Packets	ELEC3610	Quantum Mechanics for Electronic Engineers
ELEC2100	Signals and Systems	ELEC4010S	Microwave Theory and Applications
ELEC2350	Introduction to Computer Organization and Design	ELEC4240	Deep Learning in Computer Vision
ELEC2400	Electronic Circuits	ELEC4260	Intelligent Robots and Embodied AI
ELEC2600	Probability and Random Processes in Engineering	ELEC4350	AI Processor Architecture
ELEC3100	Signal Processing and Communications	ELEC4460	TBC
ELEC3130	Digital Image Processing	ELEC4510	Semiconductor Physics for Solid-State Electronics
ELEC3180	Data-Driven Portfolio Optimization	ELEC4520	Integrated Circuit Fabrication Technology
ELEC3200	System Modeling, Analysis and Control	ELEC4610	Engineering Optics
ELEC3300	Introduction to Embedded Systems	ELEC4820	Medical Imaging
ELEC3310	Digital Fundamentals and System Design	ELEC4840	Artificial Intelligence for Medical Image Analysis
ELEC3350	Principles of Machine Learning		

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Summer 2026-27

Course Code	Course Title	Course Code	Course Title
ELEC1010	Electronic and Information Technology	ELEC2600	Probability and Random Processes in Engineering