

All Courses:

List of Courses

Course Code and Course Title	Credit Hours
Interdisciplinary Courses	
EEE 6101: Engineering Analysis	3.0
EEE 6102: Selected Topics in Electrical and Electronic Engineering	3.0
EEE 6103: Nonlinear System Analysis	3.0
EEE 6104: Artificial Neural Systems	3.0
EEE 6105: Power Semiconductor Circuits	3.0
EEE 6106: Design of Power Semiconductor Circuits and Drives	3.0
EEE 6107: Electric and Magnetic Properties of Materials	3.0
EEE 6108: Research Methodology	3.0
Communication Group	
EEE 6201: Information and Coding Theory	3.0
EEE 6202: Advanced Telecommunication Engineering	3.0
EEE 6203: Advanced Digital Signal Processing	3.0
EEE 6204: Biomedical Signal Processing	3.0
EEE 6205: Optical Communications and Networks	3.0
EEE 6206: Advanced Multimedia Communications	3.0
EEE 6207: Digital Communication	3.0
EEE 6208: Digital Satellite Communication	3.0
EEE 6209: Speech and Image Processing	3.0
EEE 6210: Antennas and Propagation	3.0
EEE 6211: Wireless Communications and Networks	3.0
Electronics Group	
EEE 6301: MOS Devices	3.0
EEE 6302: Compound Semiconductor Devices	3.0
EEE 6303: VLSI Technology and Device Modeling	3.0
EEE 6304: Advanced VLSI Design	3.0
EEE 6305: Carbon Nanotechnology	3.0
EEE 6306: Nano Systems	3.0
EEE 6307: Thin film Growth and Deposition	3.0
EEE 6308: Semiconductor Characterization Technology	3.0

EEE 6309: Electronics of Solids	3.0
EEE 6310: Semiconductor Materials and Heterostructures	3.0
Power Group	
EEE 6401: Optimization of Power System Operation	3.0
EEE 6402: Computer Methods in Power System Analysis	3.0
EEE 6403: Advanced Power System Protection	3.0
EEE 6404: Power System Stability	3.0
EEE 6405: Transients in Power Systems	3.0
EEE 6406: Reliability of Modern Power System	3.0
EEE 6407: Power System Planning	3.0
EEE 6408: Advanced Power System Control	3.0
EEE 6409: Energy Conversion and Storage	3.0
EEE 6410: Modern Power System Modeling	3.0
EEE 6411: Smart Grid Operation	3.0
Thesis/Project	
EEE 6000: Thesis (for M.Sc. in EEE)	18.0
EEE 6001: Project (for M. Engg. in EEE)	6.0