

EE TRACKS

1. COMMUNICATIONS AND NETWORKS

EEEN 5342	Wireless Communications
EEEN 5303	Microwave Engineering
EEEN 5303	Broadband Networks
EEEN 5303	Adaptive Array Processing
EEEN 5303	Optical Fiber Communications
EEEN 5303	Satellite Communication

2. SIGNAL AND IMAGE PROCESSING

EEEN 5331	Digital Signal Processing
EEEN 5340	Speech Processing
EEEN 5337	Digital Image Processing
EEEN 5303	Real-time DSP course
EEEN 5303	Adaptive Array Processing
EEEN 5350	Application of Neural Networks
EEEN 5303	Medical Imaging Principals

3. VLSI AND MICRO/NANO-ELECTRONICS

EEEN 5340	Rapid Prototyping and ASIC Design
EEEN 5333	Principles of VLSI Circuit Design
EEEN 5303	Semiconductor Fundamentals
EEEN 5303	Analy/Des Analog Integrated Circuits
EEEN 5303	Advanced Semiconductor Devices Concepts
EEEN 5341	Advanced Digital Integrated Circuits

4. CONTROLS, SENSORS, AND POWER SYSTEMS

EEEN 5338	Digital and DSP-Based Control
EEEN 5303	Robust Control
EEEN 5324	Control System Synthesis
EEEN 5329	Adaptive Controls
EEEN 5326	Dynamic Systems I
EEEN 5303	Nonlinear Systems

5. COMPUTER ENGINEERING AND EMBEDDED SYSTEMS

EEEN 5330	Rapid Prototyping and ASIC Design
EEEN 5333	Principles of VLSI Circuit Design
EEEN 5339	Embedded System Design
EEEN 5304	Advanced Computer Architecture
EEEN 5321	Digital Computer Design
EEEN 5350	Application of Neural Networks
EEEN 5341	Advanced Digital Integrated Circuits

6. ENERGY AND POWER SYSTEMS

EEEN 5303	Renewable Energy and Distributed Generation
EEEN 5303	Introduction to Power Energy Innovation and Smart Grid
EEEN 5303	Power Transmission and Alternative Energy
EEEN 5303	Advanced Electrical Machines
EEEN 5303	Electric Power Distribution Systems