Communications, Networking, Signal and Image Processing
Curriculum Structure

Communications/Networking

ECE 547 Intro to Comp. Comm. Networks
ECE 544 Digital Communication
ECE 600 Random Variables and Signals
ECE 577 Engr. Aspects of Remote Sensing
ECE 637 Digital Image Processing I
ECE 638 Princ. of Digital Color Imaging Systems

Foundations

ECE 547 Intro to Comp. Comm. Networks
ECE 544 Digital Communication
ECE 600 Random Variables and Signals
ECE 538 Digital Signal Processing I
ECE 538 Digital Signal Processing I
ECE 637 Digital Image Processing I
ECE 638 Princ. of Digital Color Imaging Systems

Signal/Image Processing

ECE 648 Wavelet, Time-Freq & Multi-rate Sig. Proc.
ECE 649 Speech Processing by Comptuer
ECE 629 Statistical & Computational Intelligence
ECE 634 Digital Video Systems
ECE 620 Intro to Biomed Imaging Systems

ECE 695N Wireless Communication Networks
ECE 695D Mult. Ant. Wireless Communication
ECE 695C Inference Meth. for Codes on Graphs
ECE 647 Adv. Topics in Communication Networks
ECE 678 Radar Engineering
ECE 679 Advanced Digital Communication
ECE 695N Wireless Communication Networks

ECE 640 Special Topics
ECE 662 Pattern Recog. & Dec. Making Processes

Prerequisites

ECE XXX CNSIP Course
ECE XXX non-CNSIP Course