

# RUTGERS

## School of Engineering

Department of Electrical and Computer Engineering  
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### Capstone Design Tracks

There are several possible Capstone Design Tracks in Electrical and Computer Engineering. These are summarized below. Details of these tracks can be found in the handbook meant for your class year. Undergraduate handbook can be found at <http://www.ece.rutgers.edu/degree/under/underhandbooks.html>

Please note that Analog Electronics and its lab are required courses for Electrical option for class year 2009.

14:332:418 Capstone Design - Systems and Digital Signal Processing.

Section 1: Automatic Control

Section 2: Digital Signal Processing

14:332:428 Capstone Design - Communication Systems

Section 1: Communication Systems - Hardware

Section 2: Wireless Communication Systems

14:332:438 Capstone Design - Computers

Section 1: Digital Systems

Section 2: Robotics and Computer Vision

Section 3: Software and Systems

Section 4: VLSI Design

14:332:468 Capstone Design - Electronics

Section 1: Electronic Circuits

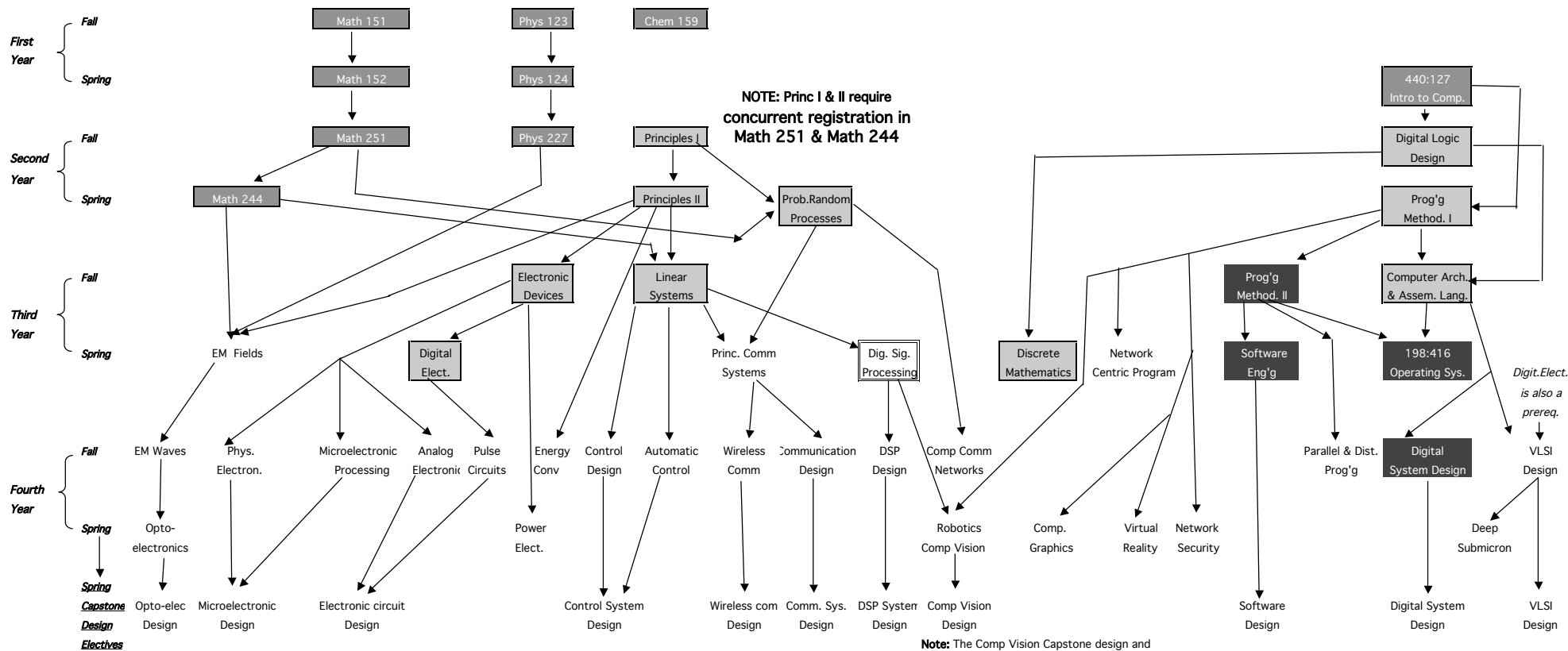
Section 2: Microelectronic Processing

Section 3: Optoelectronics

The required pre-requisites for each track as well as suggested related courses can be found in detail in undergraduate handbook. The pre-requisite chart on the other side of this page shows clearly the pre-requisites while pointing out when such pre-requisites are offered.

**Note:** Both the Robotics and Computer Vision course (332:472) and the Capstone Design in Robotics and Computer Vision are offered simultaneously during Spring. Thus the course 332:472 is a co-requisite to Capstone Design in Robotics and Computer Vision.

## PRE-REQUISITE CHART FOR ECE UNDERGRADUATES -- CLASS YEARS 2008 AND ONWARDS



- Required courses for all ECE majors
- Required courses for Electrical Engineering option
- Underlined Design electives

- Required courses for Computer Engineering option
- SOE required courses