**Key:** Prerequisite = solid arrow (not vertical)  
Alternative prereq = dashed arrow  
Co-requisite = solid vertical arrow  
Alternative co-req = dashed vertical arrow  
Required for graduation as CSE = solid outline  
CSE Senior elective = dashed outline

**NOTE:** Always check SPIRE for availability, as these offerings can change.
**BS-CSE Prerequisite Flowchart, part 2**

**Key:**
- Prerequisite = solid arrow
- Alternative prereq = dashed arrow
- Courses in a sequence not shown = dashed horizontal line
- Required for graduation as CSE = solid outline
- CSE Senior elective = dashed outline

**NOTE:** Always check SPIRE for the availability of ECE 5xx courses, as these offerings can change.

(Fall 2019)                (Spring 2020)

- MATH 331
  - Differential Equations

- ECE 212
  - Circuit Analysis II

- ECE 313
  - Signals & Systems

- ECE 314
  - Probability & Random Proc.

- ECE 597IP
  - Intro. Comm.

- MATH 235
  - Linear Algebra

- ECE 563
  - Intro. Comm.

- ECE 564
  - Communication Systems

- ECE 597
  - Power Systems

- ECE 558
  - Intro. VLSI

- ECE 559
  - VLSI Design Project

- ECE 597D
  - Post-CMOS Devices

- ECE 597MD
  - Power Systems

- ECE 597AP
  - Intro. Antennas & Propagation

- ECE 565
  - Digital Signal Processing

- ECE 570
  - System Software Design

- ECE 571
  - Microelectronic Fabrication

- ECE 572
  - Optoelectronics

- ECE 577SG
  - Smart Grids

- ECE 597SG
  - Smart Grids

- ECE 314
  - Probability & Random Proc.

- ECE 333
  - Fields & Waves

- ECE 558
  - Feedback Control

- ECE 565
  - Digital Signal Processing

- ECE 563
  - Intro. Comm.

- ECE 564
  - Communication Systems

- ECE 597
  - Power Systems

- ECE 597D
  - Post-CMOS Devices

- ECE 597MD
  - Power Systems

- ECE 597AP
  - Intro. Antennas & Propagation