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

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

(Fall 2018)  
ECE 580 Feedback Control

(Spring 2019)  
ECE 565 Digital Signal Processing

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

MATH 331  
Differential Equations

ECE 212  
Circuit Analysis II

ECE 232/331  
Hardware Organization

ECE 313  
Signals & Systems

ECE 558  
Intro. VLSI

ECE 563  
Intro. VLSI

ECE 564  
Communication Systems

ECE 344  
Semiconductor Devices

ECE 597  
System Software Design

ECE 314  
Probability & Random Proc.

ECE 570  
System Software Design

ECE 313  
Probability & Random Proc.

ECE 580  
Feedback Control

ECE 558  
Intro. VLSI

ECE 572  
Optoelectronics

ECE 597MB  
Embedded Systems

ECE 333  
Fields & Waves

ECE 571  
Microelectronic Fabrication

ECE 597NE  
Nanoelectronics

ECE 571  
Microelectronic Fabrication

ECE 597TN  
Photonics

ECE 597AP  
Intro. Antennas & Propagation

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