BS-CSE Prerequisite Flowchart, part 1

ENGLWRIT 112
College Writing

ENGIN 351
Writing in Engineering

ECE 211
Circuit Analysis I

ECE 221
Digital Systems

ECE 242
Data Structures

ECE 250
Intro to Computation

CS 121
Intro Problem Solving (Java)

CS 220
Software Engineering

CS 250
Intro to Computation

ECE 232
Hardware Organization

ECE 251
Electronics Lab I

ECE 303
Junior Seminar

ECE 311
Senior Design Project I

ECE 312
Senior Design Project II

ECE 321
Computer Architecture

ECE 331
Computer Systems Lab I

ECE 361
Computer Systems Lab II

ECE 373
Software Engineering

ECE 374
Networks & the Internet

ECE 415
Senior Design Project I

ECE 416
Senior Design Project II

ECE 544
Trustworthy Computing

ECE 575
Intro. Analog IC Design

ECE 597
Intro. to ECE

ENGLWRIT 112
College Writing

NOTE: Always check SPIRE for availability, as these offerings can change.

MATH 131
Calculus I

MATH 132
Calculus II

MATH 235
Linear Algebra

MATH 331
Differential Equations

PHYS 151
Physics I

PHYS 152
Physics II

March 2016

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
BS-CSE Prerequisite Flowchart, part 2

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

(Fall 2016)

ECE 580 Feedback Control

ECE 558 Intro. VLSI

ECE 559 VLSI Design Project

ECE 572 Optoelectronics

ECE 571 Microelectronic Fabrication

ECE 597MB Embedded Systems

ECE 597NE Nanoelectronics

ECE 597AP Intro. Antennas & Propagation

ECE 564 Communication Systems

ECE 565 Digital Signal Processing

ECE 563 Intro Comm.

ECE 597IP Image Processing

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

March 2016