BS-EE Prerequisite Flowchart

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 EE = solid outline
     EE elective = dashed outline

NOTE: Check SPIRE for availability, as well as a complete list of prerequisites, notes, and recommendations for ALL ECE 5xx courses. (Prerequisites that are required courses are not shown.)
BS-EE Prerequisite Flowchart
(continued)

MATH 132
Calculus II

MATH 233
Multivariate Calculus

PHYSICS 152
Physics II

ECE 201
Analytical Tools for ECE

ECE 244
Modern Physics & Materials for EE

ECE 333
Fields & Waves I

ECE 344
Fundamentals of Semiconductors

ECE 231
Intro. Embedded Systems

ECE 241
Advanced Programming

ECE 214
Probability & Statistics

ECE 334
Fields & Waves II

ECE 334
Microwaves I

ECE 384
Microwaves II

ECE 584
Antennas & Propagation

ECE 571
Opto-Electronics

ECE 572
Microelectronic Fabrication

ECE 597NE
Nanoelectronics

ECE 597SV
Synth./Verification of Digital Systems

ECE 597MB
Low-Power Embedded Systems

ECE 597LP
Modeling Embedded Systems

ECE 331
Hardware Organization

ECE 322
Systems Programming

ECE 341
Algorithms for CompE

ECE 325
Computer Networking

ECE 320
Intro. Security Engineering

ECE 371
Embedded Systems Lab

ECE 3570
System Software Design

ECE 357A
Antennas & Propagation

ECE 572
Opto-Electronics

NOTES:

- Check SPIRE for the availability of ECE 5xx courses, as these offerings can change.

- Check SPIRE also for prerequisites, notes and recommendations for all ECE 5xx courses, as the prerequisites are NOT shown if they are required 200- or 300-level courses.

ECE 214
Probability & Statistics

ECE 371
Intro. Security Engineering

ECE 370
Intro. Security Engineering

ECE 372
Security Engineering

ECE 547
Security Engineering

ECE 547AP
Security Engineering

ECE 570
System Software Design

ECE 597MB
Modeling Embedded Systems

ECE 597LP
Low-Power Embedded Systems

ECE 597NE
Nanoelectronics

ECE 597SV
Synth./Verification of Digital Systems

Electrical Engineering
Classes of 2021 and beyond

ECE 214
Intro. Security Engineering

ECE 371
Intro. Security Engineering

ECE 372
Security Engineering