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 "\arrowdown"
Required for graduation as EE = solid outline
EE elective = dashed outline "\arrowleft"

**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.)

**EE 21+**
Electrical Engineering Classes of 2021 and beyond

### (Fall 2022)
- ECE 597IP Image Processing
- ECE 564 Communication Systems
- ECE 565 Digital Signal Processing
- ECE 580 Feedback Control
- ECE 575 Intro. Analog IC Design
- ECE 597BE Bio-Electronics
- ECE 597AM Applied Machine Learning for IOT
- ECE 558 VLSI Design Principles
- ECE 559 VLSI Design Project

### (Spring 2023)
- ECE 415 Senior Design Project I
- ECE 416 Senior Design Project II

ENGIN 112 Intro. to ECE
MATH 131 Calculus I
MATH 132 Calculus II
PHYSICS 151 Physics I
PHYSICS 152 Physics II

ECE 201 Analytical Tools for ECE
ECE 202 Computational Tools for ECE
ECE 203 Continuous-Time Signals & Sys.
ECE 210 Circuits & Electronics I
ECE 211 Intermediate Electronics
ECE 212 Intro. Embedded Systems
ECE 213 Intro. Quantum Computing
ECE 214 Probability & Statistics
ECE 215 Signal Processing Methods
ECE 231 Intro. Embedded Systems
ECE 303 Junior Seminar
ECE 304 Junior Design Project
ECE 310 Circuits & Electronics II
ECE 311 Intro. Analog IC Design
ECE 315 Digital Signal Processing
ECE 316 Machine Learning for Engineers
ECE 397Q Intro. Quantum Computing
ECE 415 Senior Design Project I
ECE 416 Senior Design Project II

ENGLWRIT 112 College Writing
ENGIN 351 Writing in Engineering
BS-EE Prerequisite Flowchart (continued)

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.

16-Oct-22 4:00pm