

Suggested Arrangement of Courses, Electrical and Computer Engineering (BSECE)

Requirements		Hours
1st Semester		
ECE 302	Introduction to Electrical Engineering (Core) ⁰⁹³	3
or ECE 302H	Introduction to Electrical Engineering: Honors	
ECE 306	Introduction to Computing (Major)	3
RHE 306	Rhetoric and Writing (Core) ⁰¹⁰	3
M 408C	Differential and Integral Calculus (Core) ⁰²⁰	4
UGS 302	First-Year Signature Course (Core) ⁰⁹⁰	3
or UGS 303	First-Year Signature Course	
2nd Semester		
ECE 319K	Introduction to Embedded Systems (Major)	3
or ECE 319H	Introduction to Embedded Systems: Honors	
M 408D	Sequences, Series, and Multivariable Calculus (Major)	4
PHY 303K & PHY 105M	Engineering Physics I and Laboratory For Physics 302K, 303K, and 317K (Core) ⁰³⁰	4
Social and Behavioral Sciences (Core) ⁰⁸⁰		3
3rd Semester		
ECE 411	Circuit Theory (Major)	4
M 427J	Differential Equations with Linear Algebra (Major)	4
PHY 303L & PHY 105N	Engineering Physics II and Laboratory For Physics 302L, 303L, and 317L (Core) ⁰³⁰	4
Visual and Performing Arts (Core) ⁰⁵⁰		3
4th Semester		
ECE 312	Software Design and Implementation I (Major)	3
or ECE 312H	Software Design and Implementation I: Honors	
ECE 313	Linear Systems and Signals (Major)	3
M 340L	Matrices and Matrix Calculations (Major)	3
E 316L	British Literature (Core) ⁰⁴⁰	3
or E 316M	American Literature	
or E 316N	World Literature	
or E 316P	Masterworks of Literature	
GOV 310L	American and Texas Government (Core) ⁰⁷⁰	3
5th Semester		
ECE 333T	Engineering Communication (Major)	3
ECE 351K	Probability and Random Processes (Major)	3
Advanced technical component (Math) (Major)		4

Advanced technical component laboratory (Major)		4
Advanced technical component requirement (Major)		3
6th Semester		
Advanced technical elective (Major)		3
Free elective (mathematics or basic science) (Major)		4
Free elective (Elective)		4
Advanced technical component requirement (Major)		3
Advanced technical component elective (Major)		3
7th Semester		
ECE 364D	Introduction to Engineering Design (Major)	3
or ECE 364E	Interdisciplinary Entrepreneurship	
U.S. History (Core) ⁰⁶⁰		3
Free elective (Elective)		3
Advanced technical component electives (Major)		6
8th Semester		
ECE 464C	Corporate Senior Design Project (Major)	4
or ECE 464G	Multidisciplinary Senior Design Project	
or ECE 464H	Honors Senior Design Project	
or ECE 464K	Senior Design Project	
or ECE 464R	Research Senior Design Project	
or ECE 464S	Start-Up Senior Design Project	
GOV 312L	Issues and Policies in American Government (Core) ⁰⁷⁰	3
U.S. History (Core) ⁰⁶⁰		3
Advanced technical component elective (Major)		3
Free elective (Elective)		3
Total Hours		125

Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education[†], Major, Elective, Opportunity

Core Component Areas: ⁰¹⁰ Communication; ⁰²⁰ Mathematics; ⁰³⁰ Natural Science and Technology, Part I; ⁰⁴⁰ Humanities; ⁰⁵⁰ Visual and Performing Arts; ⁰⁶⁰ U.S. History; ⁰⁷⁰ American and Texas Government; ⁰⁸⁰ Social and Behavioral Sciences; ⁰⁹⁰ First-Year Signature Course; ⁰⁹³ Natural Science and Technology, Part II

Undergraduate Degree Program listing

[†] Effective April 2025, UT Austin no longer requires Skills and Experience flags.