Suggested Arrangement of Courses, Architectural Engineering (BSArchE)

Requirements		Hours
1st Semester		
ARE 102	Introduction to Architectural Engineering (Major)	1
CH 301	Principles of Chemistry I (Core) [030]	3
M 408C	Differential and Integral Calculus (Core) [020]	4
RHE 306	Rhetoric and Writing (Core) [010]	3
UGS 302	First-Year Signature Course (Core) [090]	3
or UGS 303	First-Year Signature Course	
2nd Semester		
Approved Architectural History course (Core) [050]		3
GEO 303	Introduction to Geology (Major)	3
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		
C E 311K	Introduction to Computer Methods (Major)	3
E M 306	Statics (Major)	3
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
U.S. History (Core) [060]		3
4th Semester		
ARE 217	Computer-Aided Design and Graphics (Major)	2
C E 311S	Probability and Statistics for Civil Engineers (Major)	3
E M 319	Mechanics of Solids (Major)	3
C E 319F	Elementary Mechanics of Fluids (Major)	3
E S 333T	Engineering Communication (Major)	3
U.S. History (Core) [060]		3
5th Semester		
ARE 320K	Introduction to Design I (Major)	3
C E 324P	Properties and Behavior of Engineering Materials (Major)	3
C E 329	Structural Analysis (Major)	3
C E 357	Geotechnical Engineering (Major)	3
M E 310T	Applied Thermodynamics (Major)	3
6th Semester		
ARE 320L	Introduction to Design II (Major)	3
ARE 335	Materials and Methods of Building Construction (Major)	3
ARE 346N	Building Environmental Systems (Major)	3
C E 331	Reinforced Concrete Design (Major)	3
or C E 335	Elements of Steel Design	
E 316L	British Literature (Core) [040]	3
or E 316N	World Literature	
or E 316M	American Literature	
or E 316P	Masterworks of Literature	
7th Semester		
ARE 323K	Project Management and Economics (Major)	3
ARE 346P	HVAC Design (Major)	3
or ARE 371	Energy Simulation in Building Design	
Approved Math/science course (Major)		3
Approved technical course (Major)		3
American and Texas Government (Core) [070]		3
8th Semester		
ARE 465	Integrated Design Project (Major)	4
ARE 366	Contracts, Liability, and Ethics (Major)	3
American and Texas Government (Core) [070]		3
Approved technical courses (Major)		6
Total Hours		**126**

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.