

Bachelor of Architecture/Bachelor of Science in Architectural Engineering Dual Degree Program

As a six-year dual professional degree program, the Bachelor of Architecture/Bachelor of Science in Architectural Engineering is founded upon the mutual interests of both architecture and architectural engineering.

For admission to the dual degree program, a student must meet the [Admission Requirements](#) of the School of Architecture and the requirements given in [Admission and Registration](#) for the Cockrell School of Engineering. Students are advised to contact both the School of Architecture and the Cockrell School of Engineering for specific information about the dual degree program.

Students in the dual degree program complete the requirements of the Bachelor of Architecture and the Bachelor of Science in Architectural Engineering degrees. See the descriptions for the five-year [Bachelor of Architecture](#) degree program and the [Bachelor of Science in Architectural Engineering](#) for more information.

The following outline of courses is the suggested method for completing the requirements for both degrees simultaneously. Dual degree students must also consult the additional requirements of the [Bachelor of Science in Architectural Engineering](#) degree. Dual degree students are responsible for fulfilling the requirements of both degrees.

A student who follows the suggested arrangement of courses completes all requirements for both degrees at the end of the spring semester of the sixth year.

Curriculum

A total of at least 195 hours of coursework is required for this dual degree program.

All students must complete the University's [Core Curriculum](#) as well as the courses listed in the following table. In some cases, a course that is required for the dual degree program may also be counted toward the core curriculum; these courses are identified below.

Requirements	Hours
Architecture	
Design	
ARC 310K Design I	3
ARC 310L Design II	3
ARC 323D Design III Intermediate Studio	3
ARC 523E Design IV Intermediate Studio	5
ARC 523F Design V Intermediate Studio	5
ARC 561C Comprehensive Studio	5
ARC 561R Advanced Design (taken three times)	15
Visual communication	
ARC 311K Visual Communication I	3
ARC 311L Visual Communication II	3

ARC 221K Visual Communication III	2
ARC 361T Technical Communication	3
Professional practice	
ARC 362 Professional Practice	3
Site design	
ARC 333 Site Design	3
Construction	
ARC 335T Architectural Details and Materials	3
History	
ARC 308 Architecture and Society (visual and performing arts)	3
ARC 318K World Architecture: Origins to 1750	3
ARC 318L World Architecture: The Industrial Revolution to the Present	3
ARC 342R Topics in the History of Architecture (taken 3 times. All ARC 342 courses in the series ARC 342C-W may count.)	9
Community and Regional Planning	
ARC 369J City Architecture	3
Engineering and Other Degree Requirements	
ARE 102 Introduction to Architectural Engineering	1
ARE 323K Project Management and Economics	3
ARE 335 Materials and Methods of Building Construction	3
ARE 346N Building Environmental Systems	3
ARE 346P HVAC Design	3
or ARE 371 Energy Simulation in Building Design	
ARE 465 Integrated Design Project	4
ARE 366 Contracts, Liability, and Ethics	3
CH 301 Principles of Chemistry I (part II science and technology)	3
C E 311K Introduction to Computer Methods	3
C E 311S Probability and Statistics for Civil Engineers	3
C E 324P Properties and Behavior of Engineering Materials	3
C E 319F Elementary Mechanics of Fluids	3
C E 329 Structural Analysis	3
C E 331 Reinforced Concrete Design	3
or C E 335 Elements of Steel Design	
C E 357 Geotechnical Engineering	3
E M 306 Statics	3
E M 319 Mechanics of Solids	3
E S 333T Engineering Communication	3
GEO 303 Introduction to Geology	3
M 408C Differential and Integral Calculus (mathematics)	4
M 408D Sequences, Series, and Multivariable Calculus	4
M 427J Differential Equations with Linear Algebra	4
M E 310T Applied Thermodynamics	3

PHY 303K	Engineering Physics I (physics sequence meets part I science and technology)	3
PHY 303L	Engineering Physics II	3
PHY 105M	Laboratory For Physics 302K, 303K, and 317K	1
PHY 105N	Laboratory For Physics 302L, 303L, and 317L	1
Approved mathematics or science elective		3
Approved technical electives		9
Additional coursework to satisfy the core curriculum		24
Total Hours		195