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**