

DOCUMENTS OF THE GENERAL FACULTY

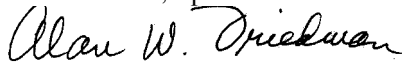
PROPOSED CHANGES TO THE BACHELOR OF ARCHITECTURE/BACHELOR OF SCIENCE IN ARCHITECTURAL ENGINEERING DUAL DEGREE PROGRAM IN THE SCHOOL OF ARCHITECTURE CHAPTER IN THE *UNDERGRADUATE CATALOG 2018-2020*

Dean Michelle Addington in the School of Architecture has filed with the Secretary of the Faculty Council the following proposal to change the Architecture degree program in the School of Architecture chapter in the *Undergraduate Catalog, 2018-2020*. On September 15, 2017, the Undergraduate Program Committee approved the proposal, and the School of Architecture faculty approved it on September 15, 2017. On September 22, 2017, the Dean approved the proposal. The Secretary has classified this proposal as legislation of general interest to more than one college or school.

The Committee on Undergraduate Degree Program Review recommended approval of the major on December 14, 2017, and forwarded it to the Office of the General Faculty. The Faculty Council has the authority to approve this legislation on behalf of the General Faculty. The authority to grant final approval on this legislation resides with the Provost on behalf of the President.

If no objection is filed with the Office of the General Faculty by the date specified below, the legislation will be held to have been approved by the Faculty Council. If an objection is filed within the prescribed period, the legislation will be presented to the Faculty Council at its next meeting. The objection, with reasons, must be signed by a member of the Faculty Council.

To be counted, a protest must be received in the Office of the General Faculty by January 16, 2018.



Alan W. Friedman, Secretary of the General Faculty and Faculty Council
The University of Texas at Austin

Arthur J. Thaman and Wilhelmina Doré Thaman Professor of English and Comparative Literature

How many students do you expect to be impacted? 0

Impacted schools must be contacted and their response(s) included:

Person communicated with: Sarah Shields/Michelle Meyer

Date of communication: September 15, 2017 / December 6, 2017

Response: Change ME 320 to ME 310T

- e. Does this proposal involve changes to the core curriculum or other basic education requirements (42-hour core, signature courses, flags)? If yes, explain:

If yes, Undergraduate Studies must be informed of the proposed changes and their response included:

Person communicated with:

Date of communication:

Response:

- f. Will this proposal change the number of hours required for degree completion? No

Note: THECB Semester Credit Hour Change Form required, download from URL:

<http://www.thecb.state.tx.us/reports/DocFetch.cfm?DocID=2419&format=doc>

If yes, explain:

5. COLLEGE/SCHOOL APPROVAL PROCESS

Department approval date: September 15, 2017 Associate Dean Juan Miró

College approval date: September 15, 2017 Associate Dean Juan Miró

Dean approval date: September 22, 2017 Dean Michelle Addington

PROPOSED NEW CATALOG TEXT:

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 [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 197 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 [320K] 320D	[Design III] <u>Intermediate Studio I</u>	3
ARC [520L] 520E	[Design IV] <u>Intermediate Studio II</u>	5
ARC [520M] 520F	[Design V] <u>Intermediate Studio III</u>	5
ARC [530F] 520G	[Design VI] <u>Intermediate Studio IV</u>	5
ARC [560F] 561C	[Advanced Design] <u>Comprehensive Studio</u>	5
ARC 561R	Advanced Design (taken twice)	10
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 335M	Construction V	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 <u>342A-Z</u> <u>series course or</u> 368R	Topics in the History of Architecture (taken three times)	9
Community and Regional Planning		
CRP 369K	Principles of Physical Planning	3
Engineering and Other Degree Requirements		
ARE 102	Introduction to Architectural Engineering	1

ARE 217	Computer-Aided Design and Graphics	2
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 333T	Engineering Communication	3
C E 357	Geotechnical Engineering	3
E M 306	Statics	3
E M 319	Mechanics of Solids	3
GEO 303	Introduction to Geology	3
M 408C	Differential and Integral Calculus (<u>meets the mathematics requirement of the core curriculum</u>)	4
M 408D	Sequences, Series, and Multivariable Calculus	4
M E 320 310T	Applied Thermodynamics	3
M 427J	Differential Equations with Linear Algebra	4
[or M 427K]	[Advanced Calculus for Applications I]	
PHY 303K	Engineering Physics I (physics sequence meets part I science and technology)	3
PHY 103M	Laboratory for Physics 303K	1
PHY 303L	Engineering Physics II	3
PHY 103N	Laboratory for Physics 303L	1
Approved mathematics or science elective		3
Approved technical electives		9
Additional coursework to satisfy the core curriculum		24
Total Hours		197

SUGGESTED ARRANGEMENT OF COURSES**First Year**

First Term	Hours	Second Term	Hours
ARC 310K	3	ARC 310L	3
ARC 311K	3	ARC 311L	3
ARC 308	3	ARC 318K	3
ARE 102	1	M 408D	4
M 408C	4	PHY 303K	3
UGS 302 or 303	3	PHY 103M	1
	17		17

Second Year

First Term	Hours	Second Term	Hours
ARC [320K] <u>320D</u>	3	ARC [520L] <u>520E or 520G</u>	5
ARC 221K	2	ARC 333	3
ARC 318L	3	C E 311K	3
E M 306	3	CH 301	3
PHY 303L	3	E M 319	3
PHY 103N	1		
RHE 306	3		
	18		17

Third Year

First Term	Hours	Second Term	Hours
ARC [520M] <u>520F</u>	5	ARC [530F] <u>520G or 520E</u>	5
C E 311S	3	ARE 217	2
C E 329	3	ARE 335	3
C E 324P	3	ARE 346N	3
M E [320] <u>310T</u>	3	M 427J [or 427K]	4
	17		17

Fourth Year

First Term	Hours	Second Term	Hours
ARC <u>342A-Z series course or 368R</u>	3	ARE 323K	3
C E 319F	3	C E 331 or 335	3
E 316L, 316M, 316N, or 316P	3	C E 357	3
Approved mathematics or science elective	3	CRP 369K	3

Social and behavioral sciences core	3	GOV 310L	3
	15		15

Fifth Year

First Term	Hours	Second Term	Hours
ARC [561R] <u>561C</u>	5	ARE 465	4
[HIS 315K] ARC 335M	3	ARE 366	3
ARE 346P or 371	3	Approved technical electives	6
C E 333T	3	[ARC 335M] <u>HIS 315K</u>	3
Approved technical elective	3		
	17		16

Sixth Year

First Term	Hours	Second Term	Hours
ARC [560F] <u>561R</u>	5	ARC 561R	5
ARC 361T	3	ARC 362	3
ARC <u>342A-Z series course or 368R</u>	3	ARC <u>342A-Z series course or 368R</u>	3
GEO 303	3	GOV 312L	3
HIS 315L	3		
	17		14

Total credit hours: 197