

# ENVIRONMENTAL DESIGN ARCHITECTURAL STUDIES - BED

The degree in Environmental Design Architectural Studies requires study in the arts, humanities and sciences. The curriculum fosters creativity and problem-solving skills while providing a solid foundation in design, theory, architectural history, building and technology. Coursework encourages multidisciplinary and comparative perspectives that allow opportunities for communication and team-oriented methods of production. Global perspectives are encouraged by a mandatory semester-long study away experience that includes study abroad or internship opportunities.

Students develop skills and acquire knowledge through a studio-based experience with a variety of proposed or actual design-related projects. The studio projects place a shared emphasis on the technical and expressive content of design work; the processes by which student's research, synthesize and document their design ideas; and the creation of tangible products that achieve a high quality of graphic and physical craft.

## Program Requirements

### First Year

		Semester Credit Hours
<b>Fall</b>		
ARCH 249	Survey of World Architecture History I	3
ARCH 281	Seminar in Contemporary Architecture	1
ENDS 105	Design Foundations I	4
ENDS 115	Design Communication Foundations	3
Select one of the following:		3
MATH 140	Mathematics for Business and Social Sciences	
MATH 152	Engineering Mathematics II	
MATH 168	Finite Mathematics	
Semester Credit Hours		14
<b>Spring</b>		
ARCH 250	Survey of World Architecture History II	3
ENDS 108	Design and Visual Communication Foundations II	5
ENGL 104	Composition and Rhetoric	3
MATH 142	Business Calculus	3
or MATH 151	or Engineering Mathematics I	
Cultural discourse ( <a href="http://catalog.tamu.edu/undergraduate/general-information/degree-information/cultural-discourse-requirements/">http://catalog.tamu.edu/undergraduate/general-information/degree-information/cultural-discourse-requirements/</a> ) <sup>1</sup>		3
Semester Credit Hours		17

### Second Year

		Semester Credit Hours
<b>Fall</b>		
ARCH 205	Architecture Design I	4
ARCH 212	Social and Behavioral Factors in Design	3
ARCH 330	The Making of Architecture	3
PHYS 201	College Physics	4

Government/Political science ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science</a> )	3	
Semester Credit Hours		17

### Spring

ARCH 206	Architecture Design II	5
ARCH 213	Sustainable Architecture	3
CARC 481	Seminar	1
American history ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> )	3	
Life and physical sciences ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences</a> )	4	
Semester Credit Hours		16

### Third Year

#### Fall

ARCH 305	Architectural Design III	5
ARCH 331	Architectural Structures	3
ARCH 335	Architectural Systems	3
Communication ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#communication</a> )	3	
Life and physical sciences ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#life-physical-sciences</a> )	1	
Semester Credit Hours		15

#### Spring

Study Away		
Select one of the following:		12
Option 1:		
ARCH 494	Internship	
Study away elective <sup>2</sup>		
Option 2:		
CARC 301	Field Studies in Design Innovation	
Study away elective <sup>2</sup>		
Semester Credit Hours		12

### Fourth Year

#### Fall

ARCH 405	Architectural Design IV	5
ARCH 431	Integrated Structures	2
ARCH 435	Integrated Systems	2
American history ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> )	3	
Government/Political science ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science</a> )	3	
Semester Credit Hours		15

#### Spring

ARCH 350	History and Theory of Modern and Contemporary Architecture	3
ARCH 406	Architecture Design V	5
Directed elective <sup>3</sup>		3

Directed elective <sup>3</sup>	3
Semester Credit Hours	14
Total Semester Credit Hours	120

<sup>1</sup> To be selected from any of the 100-499 level courses designated as cultural discourse (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/cultural-discourse-requirements/>) (CD) not used elsewhere (such as CARC 101).

<sup>2</sup> Study away electives will be selected with approval of the Assistant Dean for International Programs and Initiatives.

<sup>3</sup> Select from ARCH 216, ARCH 246, ARCH 260, ARCH 317, ARCH 327, ARCH 328, ARCH 345, ARCH 421, ARCH 430, ARCH 433, ARCH 434, ARCH 438, ARCH 441, ARCH 458, ARCH 463, ARCH 481, ARCH 484; ARTS 330; COSC 253; GEOG 330; LAND 301; RENR 375; URPN 340, URPN 361, URPN 370, URPN 470.

All proposals for undergraduate independent study must be signed by the supervising faculty and submitted to the department for approval; forms are available from the Department of Architecture Undergraduate Advisor (in Langford ARCA 219) and on the department website.

A grade of C or better must be made in all College of Architecture courses (ARCH, ARTS, COSC, CARC, ENDS, LAND, LDEV, URPN, and VIST). Students must also make a grade of C or better in any course used as an equivalent substitution for College of Architecture courses satisfying degree requirements.