ENVIRONMENTAL DESIGN IS

Falling under the realm of architecture, which is the imaginative blend of art and science in design, Texas A&M's four-year Bachelor of Environmental Design (B.E.D) degree fosters creativity and problem-solving skills, provides extensive knowledge of architectural history and theory, and cultivates knowledge and capability in building and design technology. The program prepares students for professional Master of Architecture graduate programs and challenging careers in industries supporting the built environment.

Students pursuing the pre-professional B.E.D. degree enroll in design studio courses that tackle architectural projects similar to those faced by professional architects. Studio projects emphasize the technical and expressive content of design, the processes by which students research, synthesize, and document their ideas, and create tangible designs.

The studio courses are complemented by courses in technology, history, theory, and practice. Architectural design integrates diverse fields of interest, and the architect is best thought of as a professional who bridges and blends a diverse body of knowledge into significant projects related to the built environment.

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 interested in professional registration as an architect must complete a National Architectural Accreditation Board-accredited Master of Architecture program in addition to the four-year undergraduate Bachelor of Environmental Design Degree.
LISTING | CLASS | CREDITS
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**FIRST YEAR** | 
ENDS 105 | Design Foundations I | 4
ENDS 115 | Design Communication Foundations | 3
ARCH 249 | Survey of World Architecture History I | 3
ARCH 281 | Seminar in Contemporary Architecture | 1

Select one of the following:

MATH 140, or MATH 152 | Mathematics for Business and Social Sciences, or Engineering Mathematics II | 3

**SEMESTER CREDIT HOURS** | 14

**FIRST YEAR** | 
ENDS 108 | Design and Visual Communication Foundations II | 5
ARCH 250 | Survey of World Architecture History II | 3
ENGL 104 | Composition and Rhetoric | 3

Select one of the following:

MATH 142, or MATH 151 | Business Calculus, or Engineering Mathematics I | 3

Cultural Discourse | 3

**SEMESTER CREDIT HOURS** | 17

**SECOND YEAR** | 
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 | 3

**SEMESTER CREDIT HOURS** | 17

*Subject to change

1 To be selected from any of the 100-499 level courses designated as cultural discourse (CD) not used elsewhere (such as CARC 101)

2 Study away electives will be selected with the approval of the Assistant Dean for International Programs and Initiatives

3 Directed Electives are to be selected from an approved list; see the Department of Architecture Undergraduate Advisor located in Langford ARCA 219

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.

**LISTING | CLASS | CREDITS**

**SECOND YEAR** | **Spring Semester** | 
ARCH 206 | Architecture Design II | 5
ARCH 213 | Sustainable Architecture | 3
CARC 481 | Semester Away Seminar | 1
American history | 3
Life and Physical Sciences Elective | 4

**SEMESTER CREDIT HOURS** | 16

**THIRD YEAR** | **Fall/Spring Semester** | 
ARCH 305 | Architectural Design III | 5
ARCH 331 | Architectural Structures | 3
ARCH 335 | Architectural Systems | 3
Communication Elective | 3
Life and Physical Sciences Elective | 1

**SEMESTER CREDIT HOURS** | 15

**THIRD YEAR** | **Fall/Spring Semester** | 
Study Away Semester
Select one of the following:

CARC 301 | Field Studies in Design Innovation | 12

or ARCH 494 | Internship | 12

Study Away Elective | 2

**SEMESTER CREDIT HOURS** | 12

**FOURTH YEAR** | **Fall Semester** | 
ARCH 405 | Architectural Design IV | 5
ARCH 431 | Integrated Structures | 2
ARCH 435 | Integrated Systems | 2
American History | 3
Government/ Political Science | 3

**SEMESTER CREDIT HOURS** | 15

**FOURTH YEAR** | **Spring Semester** | 
ARCH 406 | Architecture Design V | 5
ARCH 350 | History and Theory of Modern and Contemporary Architecture | 3

Directed Elective | 3

Directed Elective | 3

**SEMESTER CREDIT HOURS** | 14

**TOTAL SEMESTER CREDIT HOURS** | 120

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

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