



UNIVERSITY OF
TEXAS
ARLINGTON

COLLEGE OF ARCHITECTURE,
PLANNING AND PUBLIC AFFAIRS

Bachelor of Science in Sustainable Urban Design

- Launching in Fall 2021
- Only the 6th undergraduate program in the nation
- The only program in Texas and surrounding states
- Located within the 4th-largest metropolitan area in the nation
- Located within the Metropolitan Statistical Area with the highest demand by employers for bachelor's-level sustainable design and urban planning professionals in Texas, Oklahoma, Arkansas, Louisiana and New Mexico¹
- The only program in the nation that incorporates all the disciplines necessary to bring an urban design project to fruition:
 - Landscape architecture
 - Architecture
 - Urban planning
 - Public policy and administration
- A program whose innovative curriculum prepares students for the rapidly growing interdisciplinary field of urban design:
 - Geographic Information Systems (GIS)
 - History of Urban Design, Form and Infrastructure
 - Information and Data Visualization
 - Landscape Architecture
 - Sustainable Urban Communities
 - Urban Climate Change Studio
 - Urban Geography and Public Policy
 - Urban Mobility Studio
 - Urban Programming and Diagramming
 - Urban Resiliency Studio
- 120 credit hours, including 18 hours of prescribed electives from over a dozen disciplines
- Capstone course supervised by UTA's Director of Sustainability, utilizing the resources of UTA's Institute of Sustainability and Global Impact
- Prepares students to enter graduate programs in landscape architecture, urban planning, and public administration. The program is not a pre-professional architecture program: graduates of the B.S. in Sustainable Urban Design will need to enroll in Path A of CAPPA's Master of Architecture program or an equivalent at another institution.
- Contact: CAPPA Academic Recruiter James Brown james.brown2@uta.edu

¹ "Market Viability of a Bachelor's-Level Sustainable Urban Planning and Design Program. Analysis of Employer Demand, Student Trends, and Program Characteristics", EAB Educational Consulting (Washington, D.C.), 2019.

Prefix and Number	Prescribed Course Sequence	SCH
YEAR 1 FALL SEMESTER		
<i>Four core curriculum courses and an introductory course to sustainable urban design comprise the first semester along with a one-credit required student success course. Contemporary Mathematics provides students with skill sets that focus upon real-world applications of mathematics.</i>		
UNIV 1101/1131	Student Success	1
ARCH 1301	Introduction to Architecture + Interior Design	3
ENGL 1301	Rhetoric + Composition I	3
MATH 1301	Contemporary Mathematics	3
POLS 2312	State and Local Government	3
UDES 1301	Introduction to Principles of Sustainable Urban Design	3
Semester Total		16
YEAR 1 SPRING SEMESTER		
<i>The course Introduction to Global Issues acquaints students with a broad array of issues, underscoring the interdisciplinarity and global essence of sustainability.</i>		
GLOBAL 2301	Introduction to Global Issues	3
ENGL 1302	Rhetoric + Composition II	3
HIST 1301	History of the United States to 1865	3
MATH 1303	Trigonometry	3
---	Social + Behavioral Sciences Core Curriculum Elective	3
Semester Total		15
YEAR 2 FALL SEMESTER		
<i>The core curriculum course Energy and Environment complements the sustainability ethos of the degree program, and the Digital Media course teaches students how to visually present data, a critical job skill. The first of two Urban Design Programming and Diagramming courses introduces students to the challenge of visually documenting urban environments in all of their complexities.</i>		
HIST 1302	History of the United States, 1865 to Present	3
PHYS 1351	Energy and Environment	3
ART 2304	Digital Media	3
UDES 2441	Urban Programming and Diagramming I	4
---	Core Curriculum Foundational Area Component	3
Semester Total		16
YEAR 2 SPRING SEMESTER		
<i>Students continue their study of urban programming and diagramming, as well as how to present data visually. The course Global Warming introduces students to the overarching challenge to sustainability, while a course on the history of urban design gives them important contexts.</i>		
POLS 2311	Government of the United States	3
GEOL 1330	Global Warming	3
ART 4348	Information Visualizations	3
UDES 2442	Urban Programming and Diagramming II	4
UDES 2303	History of Urban Design, Form, and Infrastructure	3
Semester Total		16

YEAR 3 FALL SEMESTER		
<i>Expertise in sustainability and GIS are the two most frequently requested hard skills by employers of students with bachelor's degrees in urban design and planning.² Students take the first of two GIS courses this semester. They are introduced to Landscape Architecture, the discipline in which this degree program is housed, and take their first Urban Design Studio.</i>		
PLAN 4356	Introduction to Geographic Information Systems	3
LARC 4300	Introduction to Landscape Architecture	3
UDES 3551	Urban Design Studio I: Urban Resiliency	5
---	Prescribed Elective	3
Semester Total		14
YEAR 3 SPRING SEMESTER		
<i>The second GIS course expands and strengthens students' skills. A Public Affairs course about urban geography introduces students to the intersection of financial, social, and behavioral aspects that shapes cities. Students experience their second Urban Design Studio as they also take a Planning course about sustainable urban communities.</i>		
PAPP 4307	Urban Geography	3
PLAN 4320	Sustainable Urban Communities	3
PLAN 4357	Intermediate Geographic Information Systems	3
UDES 3552	Urban Design Studio II: Urban Mobility	5
Semester Total		14
YEAR 4 FALL SEMESTER		
<i>In the Capstone course, students complete a sustainability project at the Institute for Sustainability and Global Impact (ISGI) at UTA under the supervision of the Chief Sustainability Officer. Students may work on a project for an external organization or work on sustainability programs and projects within UTA. The Capstone occurs in this semester so that students have the opportunity in the following semester to further explore topics through independent study and/or electives that they encounter in the Capstone. Students also take their third Urban Design Studio during this semester.</i>		
UDES 4304	Capstone Course	3
UDES 4551	Urban Design Studio III: Climate Change	5
---	Prescribed Elective	3
---	Prescribed Elective	3
Semester Total		14
YEAR 4 SPRING SEMESTER		
<i>As students complete their final Urban Design Studio, they also do a one-credit independent study that permits them to delve deeper into topics of interest, as well as take three electives.</i>		
UDES 4552	URBAN DESIGN STUDIO VI: ADVANCED SUSTAINABLE URBAN DESIGN	5
LARC 4191	CONFERENCE COURSE OF INDEPENDENT STUDY	1
---	Prescribed Elective	3
---	Prescribed Elective	3
---	Prescribed Elective	3
Semester Total		15
PROGRAM TOTAL		120

² Ibid.