

CIVIL & ENVIRONMENTAL ENGINEERING

CE Department Chair

Dr. Mehdi Shadaram

Interim Chair

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Undergraduate Advisor of Record (UGAR)

Dr. Albert Arroyo

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Student Organizations

EWB - Engineers Without Borders

ITE - Institute for Transportation Engineers

ASCE - American Society of Civil Engineers

TSPE - Texas Society of Professional Engineers

Department of Civil and Environmental
Engineering
One UTSA Circle
San Antonio, TX 78249
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Specialization Areas:

- Structures
- Transportation
- Environmental
- Geotechnical
- Water Resource



UTSA Engineering

Learn more:
engineering.utsa.edu/ce

Educational Objectives

The Civil Engineering Program at UTSA trains and graduates students to:

- Meet the expectations of their employers.
- Become licensed professional engineers through the tools, training and guidance received in the program.
- Have a passion for life-long learning and be able to pursue graduate studies.

Civil and Environmental Engineering Provides

- "The profession in which a knowledge of the mathematical and physical sciences gained by study, experience and practice is applied with judgement to develop ways to utilize, economically, the materials and forces of nature for the progressive well-being of humanity by providing structures for the use of humankind." ASCE American Society of Civil Engineers.
- A learning environment which encourages discovery and advancement for the betterment of its students and the community. Through its research, public service and instructional programs, the department seeks to serve the needs of San Antonio and South Texas by providing educational research opportunities which will contribute to the technological and economic development of the region.
- Students the opportunity to prepare for careers concerned with critical problems of a multifaceted society, dealing with topics that may have profound environmental, social and financial impacts.

UTSA[®]Engineering

CIVIL ENGINEERING

PROGRAM OF STUDY
2020-2022 UNDERGRADUATE CATALOG

Fall (Semester I)			Spring (Semester II)		
AIS 1203	Academic Inquiry and Scholarship (core)	3	CE 2103	Civil Engineering Measurements	3
CE 1301	Introduction to Civil Engineering	1	EGR 1403	Technical Communication	3
CHE 1103	General Chemistry I	3	MAT 1224	Calculus II	4
CS 1173	Data Analysis and Visualization (core)	3	PHY 1943	Physics for Sci and Engrs I (core & major)	3
MAT 1214	Calculus I (core and major)	4	PHY 1951	Physics for Sci and Engrs I Lab	1
WRC 1013	Freshman Composition I (core)	3	WRC 1023	Freshman Composition II (core)	3
Semester Credit Hours		17	Semester Credit Hours		17
Fall (Semester III)			Spring (Semester IV)		
CE 2633	Environmental Engineering	3	CE 2313	Computer-Aided Design in Civil Engineering	3
EGR 2103	Statics	3	CE 3103	Mechanics of Solids	3
EGR 2323	Applied Engineering Analysis I	3	ECO 2023	Introductory Microeconomics (core)	3
PHY 1963	Physics for Sci and Engineers II	3	EGR 2513	Dynamics	3
PHY 1971	Physics for Sci and Engineers II Lab	1	STA 2303	Applied Probability and Statistics for Engrs	3
American History core		3	Life & Physical Sciences elective		3
Semester Credit Hours		16	Semester Credit Hours		18
Fall (Semester V)			Spring (Semester VI)		
CE 3113	Structural Analysis	3	CE 3213	Reinforced Concrete Design	3
CE 3173	Numerical Methods	3	CE 3223	Highway Engineering	3
CE 3233	Steel Design	3	CE 3413	Geotechnical Engineering and Applications	3
CE 3243	Properties and Behavior of Engrs Materials	3	EGR 3713	Engineering Economic Analysis	3
CE 3603	Fluid Mechanics	3	POL 1013	Introduction to American Politics (core)	3
Semester Credit Hours		15	Semester Credit Hours		15
Fall (Semester VII)			Spring (Semester VIII)		
CE 4463	Foundation Engineering	3	CE 4633	Water and Wastewater Treatment	3
CE 4543	Project Design and Construction Mgmt	3	CE 4813	Civil Engineering Design	3
CE 4603	Water Resources Engineering	3	CE Technical elective		3
POL 1133	Texas Politics and Society (core)	3	Creative Arts core		3
or POL 1213	or Civil Rights in Texas and America		Language, Philosophy & Culture core		3
American History core		3			
Semester Credit Hours		15	Semester Credit Hours		15
Total Credit Hours					128

GRADUATION REQUIREMENTS

FE Exam:

Q Course Requirement: