What is WE BUILD OUR WORLD?

Civil engineering is the profession that makes civilization possible. Projects can affect where we live, work and play, and impacts countless lives. The Zachry Department of Civil Engineering is committed to preparing students to be future professional leaders.

We encourage our students to have a global awareness, and know that you contribute professionally on a local, national and worldwide level.

Civil engineers design and build infrastructure, and create safer materials, energy efficiencies, and urban renewals. They build the future, and our world, by being problem solvers and civic-minded.

Areas of Specialization

» Coastal
» Construction Engineering & Management
» Environmental
» General Civil

» Geotechnical
» Materials
» Structural
» Transportation
» Water Resources

At A Glance

Faculty 68
Students (undergrad, sophomore to senior) 725
Graduate students 398

U.S. News & World Report Rankings
(rankings among public institutions)
Undergraduate 8
Graduate 8

Scholarships
Annual total $650,000*

Student Organizations 13
National & International competition teams 3
ASCE Concrete Canoe, ASCE Steel Bridge, ASCE/GI GeoWall

Future Students

Come get to know us. We are always open for a visit, so call to schedule a tour, or if you have general questions.

Take advantage of a great opportunity to learn more about our program and the department. Camp BUILD is a one-week summer camp designed for high school juniors and seniors. Students are given the opportunity to explore civil engineering as a major at Texas A&M University and experience the Aggie culture. For more information, visit engineering.tamu.edu/civil/academics/build.
Civil Engineering Curriculum

FRESHMAN YEAR
ENGL 104 Comp. and Rhetoric
ENGR 111 Foundations in Engineering
MATH 151 Engineering Mathematics
PHYS 218 Mechanics
CHEM 117 Gen. Chem. for Eng. Stu. Lab
ENGR 112 Foundations in Engineering II
MATH 152 Engineering Mathematics II
PHYS 208 Electricity and Optics
University Core Curriculum elective

SOPHOMORE YEAR
CVEN 207 Intro to Civil Engr. Profession
CVEN 302 Computer Applications
CVEN 221 Engr. Mech: Statics
CVEN 303 Civil Engr. Measurement
MATH 251 Engineering Mathematics III
CVEN 305 Engineering Mech. of Materials
STAT 211 Principles of Statistics I
CVEN 306 Materials for Civil Engineers
CVEN 250 Intro to Graphics & Visualization
MATH 308 Differential Equations
Communication elective
University Core Curriculum elective

JUNIOR YEAR
CVEN 311 Fluid Dynamics
BAEN 320 Engineering Thermodynamics OR
ECEN 215 Principles of Electrical Engr. OR
MEEN 315 Principles of Thermodynamics
CVEN 322 Civil Engineering Systems
CVEN 345 Theory of Structures
CVEN 363 Engr. Mech: Dynamics
Science elective
Technical electives
University Core Curriculum elective

SENIOR YEAR
CVEN 424 Civil Engr. Prof. Practice
ENGR 482/PHIL 482 Ethics and Engr.
Technical electives
University Core Curriculum elective