

PLAN FOR SUCCESS



College of Engineering

Department of Civil Engineering

Bachelor of Science in Civil Engineering

1st Year

Fall Semester

CE 1105
CHEM 1465
ENGL 1301
CE 1353
MATH 1426

Spring Semester

IE 2308
HIST 1301
MATH 2425
PHYS 1443
POLS 2311

Summer (Optional)

HOURS	33
--------------	----

2nd Year

Fall Semester

CE 2311
CE 2331
HIST 1302
MATH 2326
PHYS 1444

Spring Semester

CE 2221
CE 2313
COMS 2302
GEOL 3340
CE 3301
MATH 3319

Summer (Optional)

HOURS	33
--------------	----

3rd Year

Fall Semester

CE 3210
CE 3253
CE 3361
CE 3305
CE 3341
CE 3343/CE 3143

Spring Semester

CE 3302
CE 3311
CE 3334/CE 3131
CE 3342/CE 3142
POLS 2312

Summer (Optional)

HOURS	34
--------------	----

4th Year

Fall Semester

CE 3347
CE 3328
CE 4352
SENIOR TECHNICAL ELECTIVE
LANG/PHIL/CULT

Spring Semester

CE 4383
SENIOR TECHNICAL ELECTIVE
SENIOR TECHNICAL ELECTIVE
SENIOR TECHNICAL ELECTIVE
CREATIVE ARTS ELECTIVE

SENIOR HOURS	30
---------------------	----

TOTAL HOURS	130
--------------------	-----

College of Engineering

634 Nedderman Hall Box 19019 | 416 Yates Street

P: 817-272-2201

F: 817-272-2630 | uta.edu



THE UNIVERSITY OF TEXAS
AT ARLINGTON

DESIGN YOUR JOURNEY



College of Engineering

Department of Civil Engineering

Beginning the Journey

Trailblazing the Path

Destination Graduation

MAVERICK ADVANTAGE

Be Bold. Be Ambitious. Set Yourself Apart.

EDUCATE

- Familiarize yourself with your degree plan.
- Meet with your advisor once a semester to ensure you're on track for graduation.
- If you are a freshman student, transition from freshman advising to department advising*.
 - Freshman advising
 - Department advising
- Complete UNIV 1131 or ENGR 1101 to learn about all of the resources available to you & to prepare you to succeed in your major.

EDUCATE

- Complete your pre-professional courses and get admitted to the professional program.
- Consult with your advisor before you choose the senior electives.
- Use your flowchart to plan what classes you want to take in the future. Use the catalog to find course descriptions.
- Consider adding a minor.

EDUCATE

- Discuss the Fast Track program for the CE master's degree specializing in structures with your advisor.
- Apply to graduate through MyMav.
- If you're an international student and need a full-time waiver or OPT form signed, you must see an advisor to have it approved.

ENGAGE

- Participate in the Dean's Challenge.
- Join a College of Engineering organization so you can get to know your peers, begin to make industry connections, pursue your interests, and have fun!
- Join a UTA club or organization so you can get involved on campus and meet new people.
- Visit the International Student Center to learn about study abroad opportunities, clubs, on-campus events, and spring break community impact.
- Apply to join the Honors College.

ENGAGE

- Explore CE student life at events hosted by the student chapter of the American Society of Civil Engineers and
- Contact the Center for Service Learning for volunteer opportunities.
- Look into becoming an SI leader or tutor, or working at the IDEAS Center
- Participate in the Big Event.
- Interested in getting your PhD? Look into the McNair Scholars Program.

ENGAGE

- Present at Innovation Day.
- Ask a professor about getting involved with the work going on in their labs.
- Attend the Architectural Engineering Institute Conference or Forum.
- Take on a leadership position in a student organization.

EXCEL

- Attend the College-to-Career orientation session with Career Services and fill out the career fields of interest forms.
- Speak with Career Services about on-campus and summer job opportunities.
- Create a resume so you can work on building it up before you get to graduation.
- Create an account on Handshake.

EXCEL

- Carole Coleman is the internship and co-op coordinator for the College of Engineering. Contact her for information on these once you've met the requirements.
- Attend a College of Engineering Speed Mentoring event.
- Attend the College of Engineering Career Fair to network and learn more about companies. It's a great way to find employment and internship opportunities every semester.
- Join MavMentors.

EXCEL

- Finalize your resume so that you are ready to hand it out at job fairs.
- Setup a mock interview with the Career Development Center.
- Attend the All-Majors Job Fair.
- Complete The Job Search course on Canvas.
- Talk to a faculty member about the field that you want to go into and what you can do to be a competitive candidate.



CAREER DEVELOPMENT

- Internships/Co-Ops
- College of Engineering Career Fair
- College of Engineering Speed Mentoring
- All Majors Job Fair
- MavMentors



GLOBAL ENGAGEMENT

- Global Grounds
- Global Mavericks Program
- Study Abroad



LEADERSHIP DEVELOPMENT

- UTA Organizations
- College of Engineering Organizations
- Leadership Minor
- Student Governance
- Fraternity & Sorority Life



COMMUNITY ENGAGEMENT

- Dean's Challenge
- The Big Event
- UTA Volunteers



UNDERGRADUATE RESEARCH

- Innovation Day
- McNair Scholars
- Get Involved With Our Research Labs

* You can ask your freshman advisor about what these requirements are

College of Engineering

634 Nedderman Hall Box 19019 | 416 Yates Street

P: 817-272-2201

F: 817-272-2630 | uta.edu

FIND YOUR CAREER



College of Engineering

Department of Civil Engineering

What career options do I have with this major?

- Construction Engineer
- Environmental Engineer
- Geotechnical Engineer
- Structural Engineer
- Transportation Engineer
- Urban Planning Engineer
- Water Resource Engineer
- Consulting Civil Engineer
- Contracting Civil Engineer
- Design Engineer
- Site Engineer
- Sustainability Consultant
- Building Service Engineer
- Construction Manager
- Public Health Engineer

Workforce Skills

- **Critical Thinking:** Analyze issues, make decisions, and overcome problems by using sound reasoning before forming a strategy, decision, or opinion.
- **Professionalism:** Display effective work habits, high integrity, and ethical behavior. Possess the ability to demonstrate skills confidently and apply talents to achieve professional success.
- **Teamwork/Collaboration:** Work within a team and foster collaborative relationships with peers and supervisors. Use interpersonal skills to demonstrate respect and dignity for others while working toward a common goal.

Career Readiness

- Technical Skills
- Mathematical skills
- Written communication skills
- Leadership skills
- Organizational skills
- Problem-solving skills
- Decision-making skills
- Project management skills
- Critical thinking skills

Take Action

- Explore workforce skill development through on and off-campus activities; engage with the UTA Career Development Center at uta.edu/careers
- Meet with a career consultant
- Network with employers
- Discover internships and co-ops
- Apply for on-campus employment
- Join Handshake, our career services platform
- Participate in career development programs
- In addition, all students must complete Senior Design Project

Visit uta.edu/majormaps for the latest version of this major map.