

College of Engineering

Department of Civil Engineering

Bachelor of Science in Architectural Engineering

Bachelor of Scienc

1st Year

Fall Semester

UNIV 1131 OR ENGR 1101 ARCH 1301

AREN 1205 MATH 1426 ENGL 1301 **Spring Semester**

AREN 2252 IE 2308

LANG/PHIL/CULT MATH 2425 PHYS 1443 **Summer (Optional)**

HOURS

29

2nd Year

Fall Semester

ARCH 2341 AREN 2311 HIST 1301 MATH 2326 PHYS 1444 **Spring Semester**

ARCH 3357 AREN 2313 AREN 2315 CHEM 1465 COMS 2302 Summer (Optional)

HOURS

32

3rd Year

Fall Semester

ARCH 3551 AREN 3213 HIST 1302 AREN 3341 MATH 3319 **Spring Semester**

ARCH 3336 AREN 3311 AREN 3314 AREN 3343 AREN 3143 AREN 3347 Summer (Optional)

HOURS

32

27

4th Year

Fall Semester

AREN 3331 AREN 4346 AREN 4348 AREN 4352

POLS 2311

Spring Semester

TECHNICAL ELECTIVE AREN 3301 AREN 4383 POLS 2312

SENIOR HOURS

TOTAL HOURS 120

College of Engineering

634 Nedderman Hall Box 19019 | 416 Yates Street

P: 817-272-2561

F: 817-272-2630 | uta.edu



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Beginning the Journey

- 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

- Participate in the Dean's Challenge.

on campus and meet new people.

Apply to join the Honors College.

break community impact.

- Complete UNIV 1131 or ENGR 1101 to learn about all of the resources available to you & to prepare you to succeed in your major.

- Join a College of Engineerging organization so you can

- Join a UTA club or organization so you can get involved

- Visit the International Student Center to learn about study

abroad opportunities, clubs, on-campus events, and spring

get to know your peers, begin to make industry connections, pursue your interests, and have fun!

Trailblazing the Path

- Complete your pre-professional courses and get admitted to the professional program.
- 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.

Destination Graduatio

- 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.

CATE

ED

Destination Graduation



CAREER DEVELOPMENT

MAVERICK ADVANTAGE

Be Bold. Be Ambitious. Set Yourself Apart.

- 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

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- Join UTA's Architectural Engineering Institute (AEI) student chapter so you can network with others in your major.
- 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.

ENGAG

- 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.

- 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.

EXCE

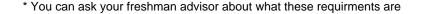
- Carole Coleman is the internship and co-op coordinator for the College of Engineering. Contact her for information on these once you've met the requirements.
- Attend a College of Engineering Speed Mentoring event.
- Attend the College of Engineering Career Fair to network and learn more about companies.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



- 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.

- Finalize your resume so that you are ready to hand it out

- Take the Fundamentals of Engineering exam.





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What career options do I have with this major?

- Architectural Engineering
- Structural Engineering
- Construction Management
- Project Management
- Civil Engineering

- Infrastructure Engineering
- CAD Manager
- Building Information Management (BIM) Specialist
- Building Design Assistance

Workforce Skills

- Critical Thinking: Analyze issues, make decisions, and overcome problems by using sound reasoning before forming a strategy, decision, or opinion.
- Leadership: Takes initiative, demonstrates effective decision making and informed risk taking, and motivates and encourages participation from others to work towards a shared vision.
- 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

- Ability to Find Effective Solutions
- Ability to Work Well in a Team
- Analytical Skills
- Critical Thinking

- Detail Oriented
- Leadership
- Project Management
- Time Management 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

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

