College of Engineering

Department of Computer Science & Engineering

Bachelor of Science in Computer Science

1st Year

Fall Semester
UNIV 1131 OR ENGR 1101
CSE 1310
MATH 1426
ENGL 1301
HISTORY ELECTIVE
LANG/PHIL/CULT

Spring Semester
CSE 1106
CSE 1320
CSE 2315
MATH 2425
PHYS 1443

Summer (Optional)

HOURS	32

2nd Year

Fall Semester
CSE 1325
CSE 2312
CSE 3318
PHYS 1444
HISTORY ELECTIVE

Spring Semester
CSE 3308
CSE 3310
CSE 3320
IE 3301
COMS 2302

Summer (Optional)

HOURS	31

3rd Year

Fall Semester
CSE 3302
CSE 3330
CSE 3315
MATH ELECTIVE
POLS 2311

Spring Semester
CSE 4308
CSE 4344
TECHNICAL ELECTIVE
TECHNICAL ELECTIVE
POLS 2312

Summer (Optional)

HOURS	30

4th Year

Fall Semester
CSE 3314
CSE 4316
CSE 4303/4305/4360
TECHNICAL ELECTIVE
ECON 2305/IE 2308

Spring Semester
CSE 4317
CSE 4380/4381/4382
TECHNICAL ELECTIVE
TECHNICAL ELECTIVE
CREATIVE ART

SENIOR HOURS	30
TOTAL HOURS	123

College of Engineering

CSE Department c/o UTA Central 1225 West Mitchell

P: 817-272-2571 | F: 817-272-3784 | uta.edu

UTA THE UNIVERSITY OF TEXAS AT ARLINGTON

College of Engineering

Beginning the Journey

Trailblazing the Path

Destination Graduation

EDUCATE (Beginning the Journey)

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

EDUCATE (Trailblazing the Path)

- Complete your pre-professional courses and get admitted to the professional program.
- Attend a CSE tech elective fair to learn more about your tech elective options.
- 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 (Destination Graduation)

- Ask Dr. Barasch about our fast track master's and PhD programs.
- See an advisor during your Senior Design classes to set your graduation semester.
- 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 (Beginning the Journey)

- Participate in the Dean's Challenge.
- Join a CSE organization so you can get to know your peers, pursue your interests, and have fun!
- Join a UTA club or a general engineering 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 (Trailblazing the Path)

- Participate in HackUTA or similar hackathon in the DFW area.
- 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 (Destination Graduation)

- Present at Innovation Day.
- Ask a professor about getting involved with the work going on in their labs.
Attend speaker and special events.
- Attend a conference for the field that you want to work in.
- Take on a leadership position in a student organization.

EXCEL (Beginning the Journey)

- 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 (Trailblazing the Path)

- 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 requirments.
- 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.

EXCEL (Destination Graduation)

- 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.
- Attend the MAW Senior Banquet!

MAVERICK ADVANTAGE
Be Bold. Be Ambitious. Set Yourself Apart.

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
- Hear about research being done around the world

LEADERSHIP DEVELOPMENT
- CSE organizations and clubs
- College of Engineering Organizations
- Leadership Minor
- Student Governance
- Fraternity & Sorority Life

COMMUNITY ENGAGEMENT
- Hack UTA
- Dean's Challenge
- The Big Event
- UTA Volunteers

UNDERGRADUATE RESEARCH
- Senior Design Projects
- Innovation Day
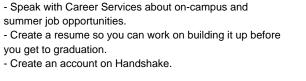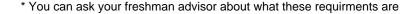- McNair Scholars
- Get Involved With Our Research Labs

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

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FIND YOUR CAREER

What career options do I have with this major?

- Help desk assistants
- Web developers
- Health care
- Insurance
- Defense
- Cloud/network systems

Workforce Skills

- Communication: Develop and articulate idea clearly and effectively across all mediums, including but not limited to written, oral, and digital communication.
- 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.

Career Readiness

- Software Development
- Database Design
- Problem Solving
- Algorithm Design & Analysis
- Data Structures
- Information Security Principles
- System Architecture & Interfaces
- Computer Network Principles
- Operating Systems Principles

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
- Join Handshake, our career services platform.
- Apply for on-campus employment
- Participate in career development programs.
- In addition, all students must complete a Senior Team Design Project.

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

UTA THE UNIVERSITY OF TEXAS AT ARLINGTON