DESIGN YOUR JOURNEY



College of Engineering

Department of Computer Science and Engineering

Bachelor of Science in Computer Engineering

Beginning the Journey

EDUCATE

- 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*.

ENGAGE

- 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.

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.

Trailblazing the Path

EDUCATE

- 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.

ENGAGE

- 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.

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

Destination Graduation

EDUCATE

- 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

- 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

- 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.

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



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

College of Engineering

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THE UNIVERSITY OF TEXAS AT ARLINGTON



College of Engineering

Department of Computer Science and Engineering

Bachelor of Science in Computer Engineering

What career options do I have with this major?

- Computer Design Engineer
- Computer Engineer
- Computer Programmer
- Computer Scientist
- Computer Systems Engineer
- Design Verification Engineer
- Electrical Engineer
- Embedded Systems Engineer
- FPGA Designer
- Hardware Designer
- Hardware Engineer
- Instrumention Engineer
- Internet of Things (IoT) Designer
- Mechatronics Engineer
- Networking Engineer
- System on Chip (SOC) Designer
- Test Engineer

Workforce Skills

- Communication: Develop and articulate idea clearly and effectively digital communication.
- Critical Thinking: Analyze issues, make decisions, and overcome p decision, or opinion.
- Professionalism: Display effective work habits, high integrity, and e confidently and apply talents to achieve professional success.

Career Readiness

- Ability to cope with constant change
- Ability to think logically
- Ability to work under pressure
- Abstract Reasoning
- Algorithms
- Attention to Detail
- Computer Architecture
- Computer Organization
- Computer Programming
- Data Structures
- Digital Logic Design
- Electrical Circuits
- Internet of Things (IoT)
- Electronics
- Embedded Bare-Metal Systems Design
- Embedded Linux Systems Design
- Field Programmable Gate Arrays
- Hardware Description Languages
- Mechatronics and Sensors
- Microprocessor Systems
- Operating Systems
- Real-Time Operating Systems
- Signal Processing
- Wireless Networks
- System on Chip (SoC)

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.

Visit **www.uta.edu/student-success/major_maps** for the latest version of this major map.

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