1st Year

Fall Semester	Spring Semester	Summer (Optional)
UNIV 1131 OR ENGR 1101	CSE 1106	
CSE 1310	CSE 1320	
MATH 1426	CSE 2315	
ENGL 1301	MATH 2425	
HISTORY ELECTIVE	PHYS 1443	
LANG/PHIL/CULT		

HOURS	32

2nd Year

Fall Semester	Spring Semester	Summer (Optional)
CSE 1325	CSE 3380	
CSE 2312	CSE 3310	
CSE 3318	CSE 3320	
PHYS 1444	IE 3301	
HISTORY ELECTIVE	COMS 2302	

HOURS	31

3rd Year

Fall Semester	Spring Semester	Summer (Optional)
CSE 3302	CSE 4321	
CSE 3330	CSE 4380	
CSE 3315	TECHNICAL ELECTIVE	
CSE 3311	MATH ELECTIVE	
POLS 2311	POLS 2312	

HOURS	30

4th Year

Fall Semester	Spring Semester
CSE 3314	CSE 4317
CSE 4316	CSE 4322
CSE 4361	TECHNICAL ELECTIVE
TECHNICAL ELECTIVE	CREATIVE ART
SCIENCE ELECTIVE	ECON 2305/IE 2308

SENIOR HOURS	31
TOTAL HOURS	124

UTA THE UNIVERSITY OF TEXAS AT ARLINGTON

DESIGN YOUR JOURNEY

College of Engineering
Bachelor of Science in Software Engineering

Beginning the Journey

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 & prepare you to succeed in your major.

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 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 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.

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.

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
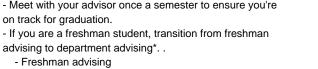- Student Governance
- Fraternity & Sorority Life

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

College of Engineering

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THE UNIVERSITY OF TEXAS AT ARLINGTON

College of Engineering

What career options do I have with this major?

- Software developer
- Software engineer
- Software designer
- Software architect

- Software tester
- Software Q&A engineer
- Software development manager
- Software project manager

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

- Ability to create large software systems that address actual user and customer needs
- Ability to explain and critique such software systems

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, students must complete a two-semester Senior Design Project offered by the CSE department, where software engineering students often team up with students of the other two majors (i.e., computer science and computer engineering).

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

UTA THE UNIVERSITY OF TEXAS AT ARLINGTON