College of Engineering

Department of Electrical Engineering

Bachelor of Science in Electrical Engineering

1st Year

Fall Semester	Spring Semester	Summer (Optional)
UNIV 1131 FOR FRESHMAN STUDENTS	MATH 2425	
MATH 1426	EE 1311	
CHEM 1465	PHYS 1443	
EE 1201	EE 1106	
ENGL 1301	ENGL 1302	
HIST 1301	HIST 1302	
		HOURS 35

2nd Year

Fall Semester	Spring Semester	Summer (Optional)
MATH 2326	EE 2347	
MATH 3319	EE 2302	
PHYS 1444	EE 2303	
EE 2315	EE 2341	
ENGL 23XX (LITERATURE)	CREATIVE ART	
	EE 2240	
		HOURS 33

3rd Year

Fall Semester	Spring Semester	Summer (Optional)
EE 3330	MAE 3309	
EE 3316	EE 3240	
EE 3407	EE 3318	
EE 3346	EE 3314	
CCOMS 2302	EE ELECTIVE	
		HOURS 30

4th Year

Fall Semester	Spring Semester	
EE 4240	EE 4149	
ENGR ELECTIVE	MATH/SCIENCE ELECTIVE	
POLS 2311	POLS 2312	
ECON 2305	EE ELECTIVE	
EE ELECTIVE	EE ELECTIVE	
		SENIOR HOURS 27
		TOTAL HOURS 125

College of Engineering

Nedderman Hall, Room 518, 416 Yates Street

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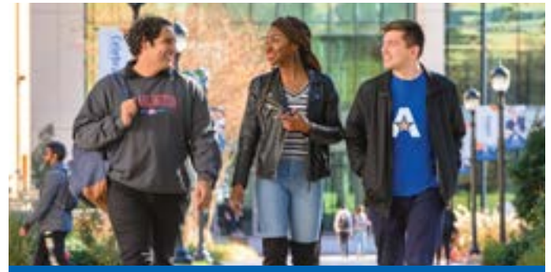
THE UNIVERSITY OF TEXAS AT ARLINGTON

DESIGN YOUR JOURNEY

College of Engineering

Department of Electrical Engineering



MAVERICK ADVANTAGE

Be Bold. Be Ambitious. Set Yourself Apart.

	Beginning the Journey	Trailblazing the Path	Destination Graduation

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 EE 1201 to learn about all of the resources available to you & to prepare you to succeed in your major.
		- Complete your pre-professional courses and get admitted to the professional program.
		- Ask Pauline Mason about our Fast Track Master's 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 or certificate to your degree
			- Talk to Dr. Ioannis Schizas about grad school.
			- See Pauline Mason to set your graduation semester for graduation and commencement.
			- Apply for graduation and commencement 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 IEEE and other EE organizations so you can get to know your peers, begin to make industry connections, 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.	- Go to yearly SPAC conference sponsored by IEEE. - Contact the Center for Service Learning for volunteer opportunities. - 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 in our local community. - Interested in getting your PhD? Look into the McNair Scholars Program. Talk to Dr. Weijen Lee about direct-to-PhD program. - Talk with EE faculty members about undergraduate research	- Present your research at Innovation Day. - Ask a professor about getting involved with the work going on in their labs. - Attend a conference for the field you want to work in. - Attend a conference for the field that you want to work in. - Take on a leadership position in a student organization, such as IEEE, SWE, AASE, Eta Kappa Nu, or WEE among others.
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 to look for a job on or off campus.	- 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.	- 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 requirments are

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FIND YOUR CAREER

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Department of Electrical Engineering

What career options do I have with this major?

- Engineering Design
- R&D
- Manufacturing
- Technical training
- Sales and marketing
- Project/ Technical Lead

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 identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathmetics
- Ability to apply engineering design to produce solutions that meet specified needs
- Ability to communicate effectively with a range of audiences
- Ability to function effectively on a team
- Ability to recognize ethical and professional responsibilities in engineering situations and make informed judgements
- Ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgement to draw conclusions
- Ability to aquire and apply new knowledge as needed, using appropriate learning strategies

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 a senior desogn project

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

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