College of Engineering

Department of Electrical Engineering

B.S. in Resource and Energy Engineering

1st Year

Fall Semester	Spring Semester	Summer (Optional)
UNIV 1131 or ENGR 1101	MATH 2425	
MATH 1426	EE 1311	
CHEM 1426	PHYS 1443	
ENGL 1301	CREATIVE ART	
REE 1301	REE 1306	

HOURS	32

2nd Year

Fall Semester	Spring Semester	Summer (Optional)
MATH 1312	COMS 2302	
IE 2308	MAE 2323	
MATH 3330	MATH 3318	
PHYS 1444	EE 2440	
GEOL 3340	REE 2301	

HOURS	32

3rd Year

Fall Semester	Spring Semester	Summer (Optional)
EE 3317	REE 3310	
IE 3301	HIST 1332	
REE 3301	REE 3303	
REE 3302	TECHNICAL ELECTIVE	
HIST 1331	REE 4301	

HOURS	30

4th Year

Fall Semester	Spring Semester
LANGUAGE, PHILOSOPHY, CULTURE	REE 4302
REE 4304	REE 4305
POLS 2311	TECHNICAL ELECTIVE
TECHNICAL ELECTIVE	REE 4310
REE 4303	POLS 2312

SENIOR HOURS	30
TOTAL HOURS	124

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.

- CAREER DEVELOPMENT
- GLOBAL ENGAGEMENT
- LEADERSHIP DEVELOPMENT
- COMMUNITY ENGAGEMENT
- UNDERGRADUATE RESEARCH

	Beginning the Journey	Trailblazing the Path	Destination Graduation
EDUCATE	- Familiarize yourself with your EE 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*. - 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 LaTausha Button 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.	- 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 researc	- Present your research at Innovation Day. - Ask a professor about getting involved with the work going on in their labs. - Attend speaker and special events such as IEEE MetroCon. - 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.

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

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FIND YOUR CAREER

College of Engineering

Department of Electrical Engineering

What career options do I have with this major?

- Engineering design
- R&D
- Manufacturing
- Technical training
- Sales and marketing

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.

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

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

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

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