

### **College of Engineering**

Department of Electrical Engineering

**B.S.** in Resource and Energy Engineering

### 1st Year

**Fall Semester** 

UNIV 1131 or ENGR 1101 MATH 1426 CHEM 1426 ENGL 1301 REE 1301 **Spring Semester** 

MATH 2425 EE 1311 PHYS 1443 CREATIVE ART REE 1306 **Summer (Optional)** 

HOURS

32

2nd Year

**Fall Semester** 

MATH 1312 IE 2308 MATH 3330 PHYS 1444 GEOL 3340 **Spring Semester** 

COMS 2302 MAE 2323 MATH 3318 EE 2440 REE 2301 Summer (Optional)

HOURS 32

3rd Year

Fall Semester

EE 3317 IE 3301 REE 3301 REE 3302 HIST 1331 **Spring Semester** 

REE 3310 HIST 1332 REE 3303 TECHNICAL ELECTIVE REE 4301 **Summer (Optional)** 

HOURS 30

4th Year

Fall Semester

LANGUAGE, PHILOSOPHY, CULTURE REE 4304 POLS 2311 TECHNICAL ELECTIVE REE 4303 **Spring Semester** 

REE 4302 REE 4305 TECHNICAL ELECTIVE REE 4310 POLS 2312

SENIOR HOURS 30

TOTAL HOURS 124

**College of Engineering** 

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### **College of Engineering**

Department of Electrical Engineering

### **Beginning the Journey**

- 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.

### Trailblazing the Path

- Complete your pre-professional courses and get admitted to the professional program.
- Ask LaTausha Button about our Fast Track Master's
- 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.

### **Destination Graduation**

- Talk to Dr. loannis 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.

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### - 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
- 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.

### - 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.

- Attend the College-to-Career orientation session with

Career Services and fill out the career fields of interest

- Speak with Career Services about on-campus and

- Apply to join the Honors College

off campus.

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### - Go to yearly SPAC conference sponsored by IEEE.

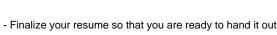
- Contact the Center for Service Learning for volunteer
- Contact the Center for Service Learning for volunteer opportunities.
- Look into becoming an SI leader or tutor, or working at the
- Participate in the Big Event in our local community.
- Interested in getting your PhD? Look into the McNair Scholars Program. Talk to Dr. Weijen Lee about direct-to-PhD program.
- Talk with EE faculty members about undergraduate

### - 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.

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- 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.



- at job fairs.
- Setup a mock interview with the Career Development
- 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.





**UNDERGRADUATE RESEARCH** 

**COMMUNITY ENGAGEMENT** 

**MAVERICK ADVANTAGE** 

Be Bold. Be Ambitious. Set Yourself Apart.

CAREER DEVELOPMENT

**GLOBAL ENGAGEMENT** 

LEADERSHIP DEVELOPMENT

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



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



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### 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.

