

PLAN FOR SUCCESS



College of Engineering

Department of Industrial, Manufacturing, and Systems Engineering

Bachelor of Science in Industrial Engineering

1st Year

Fall Semester

IE 1110
UNIV 1131 OR ENGR 1101
IE 1325
MATH 1426
CHEM 1441
ENGL 1301

Spring Semester

IE 2305
MAE 1351
MATH 2425
CHEM 1442
PHYS 1443

Summer (Optional)

HOURS 34

2nd Year

Fall Semester

HISTORY ELECTIVE
MATH 2326
IE 2308
PHYS 1444
COMS 2302

Spring Semester

HISTORY ELECTIVE
POLS 2311
IE 3301
IE 3315
MATH 3319

Summer (Optional)

HOURS 31

3rd Year

Fall Semester

IE 3314
IE 3343
IE 4315
IE 4303
LANG/PHIL/CULT

Spring Semester

IE 4322
IE 4344
IE 4340
IE 4305
TECHNICAL ELECTIVE
POLS 2312

Summer (Optional)

HOURS 33

4th Year

Fall Semester

IE 4308
IE 4343
IE 4325
IE 4339
TECHNICAL ELECTIVE

Spring Semester

IE 4318
IE 4345
IE 4350
CREATIVE ART
TECHNICAL ELECTIVE

SENIOR HOURS 30

TOTAL HOURS 128

College of Engineering

Woolf Hall, Room 204 500 West First Street

P: 817-272-2561

F: 817-272-3784 | uta.edu



THE UNIVERSITY OF TEXAS
AT ARLINGTON

DESIGN YOUR JOURNEY



College of Engineering

Bachelor of Science in Industrial Engineering

Beginning the Journey

- 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.

Trailblazing the Path

- Complete your pre-professional courses and get admitted to the professional program.
- Speak with advisor for approval of technical electives.
- 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

- Get approval from advisor to register for Senior Capstone Project.
- See advisor in your final 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.

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



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

EDUCATE

EDUCATE

EDUCATE

ENGAGE

ENGAGE

ENGAGE

EXCEL

EXCEL

EXCEL

- Participate in the Dean's Challenge.
- Join a College of Engineering professional organization 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.

- 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.

- Present at Innovation Day.
- Ask a professor about getting involved with the work going on in their labs.
- Attend a conference for the field that you want to work in.
- Take on a leadership position in a student organization.

- 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.

- 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.

- 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 requirements are

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**FIND
YOUR
CAREER**



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What career options do I have with this major?

- Manufacturing
- Simulation
- Inventory Control
- Human Factors
- Production Control

Workforce Skills

- Creativity/Ingenuity: Synthesize existing ideas and concepts in innovative and creative ways to develop new ways of thinking or working and engage in divergent thinking and risk taking.
- Critical Thinking: Analyze issues, make decisions, and overcome problems by using sound reasoning before forming a strategy, decision, or opinion.
- Leadership: Take initiative, demonstrate effective decision making and informed risk-taking, and motivate and encourages participation from others to work toward a shared vision.

Career Readiness

- Creativity
- Critical thinking
- Evaluating Data and Problem Solving
- Listening Skills
- Math Skills
- Problem Solving and Writing/Speaking skills

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 Capstone project

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

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