

IN THIS MAJOR YOU'LL LEARN TO:

- Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
- Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
- Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
- Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions

And so much more! Faculty and advisors are here to help you get the most out of your program and how it may apply to different career paths

TOP SKILLS EMPLOYERS WANT:

- Teamwork
- Critical thinking
- Analyze + interpret data
- Adaptability + resiliency
- Written + verbal communication
- Ethical judgement + reasoning
- Problem-solving
- Intercultural fluency
- Creativity
- Leadership

A lot of people said so: World Economic Forum, McKinsey Consulting future of work report, National Association of Colleges + Employers, UR College Competencies

WHERE ECE MAJORS END UP

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|-----------------------|-----------|-----------------------------------|
| Manufacturing | Aerospace | Environmental & Sustainability |
| Internet & Software | Defense | Management |
| Environmental Science | Oil & Gas | Electrical & Computer Engineering |

Based on real UR student + alumni data!

WAYS TO TELL YOUR STORY:

Resources to help you tell your UR story!

- Your Greene Center advisor
- Resume + Handshake profile
- LinkedIn + Mel Collective profiles
- Practice interviews
- A flexible and evolving plan
- Talk to people! Friends, family, advisors, faculty, alumni... it will help you refine your story!

HOW TO BUILD THESE SKILLS:

- Get an on-campus job
- Take a skill development course
- Pursue an internship
- Conduct research with a faculty member
- Volunteer in the community
- Get involved in student organizations
- Do a virtual project
- Be curious and try new things

*Not sure where to start?
The Greene Center can help!*

