**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

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**WHERE ECE MAJORS END UP**

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

*Based on real UR student + alumni data!*

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**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!

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**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

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**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!*

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**GREENE CENTER**

for Career Education and Connections

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**PREPARING FOR YOUR FIRST JOB + THE FUTURE OF WORK**

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**ELECTRICAL & COMPUTER ENGINEERING**

BS | 24+ COURSES