

### IN THIS MAJOR YOU'LL LEARN TO:

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

Medical devices  
Healthcare  
Pharmaceuticals

Biotech & life sciences  
Internet & software  
Scientific/Technical  
Consulting

Engineering  
Higher Education  
Electric & Computer Hardware

*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!*

