**BIOMEDICAL ENGINEERING**

**BS | 131 CREDITS**

**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

**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!

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

**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

**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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