

IN THIS MAJOR YOU'LL LEARN TO:

- Understand the fundamental science, mathematics, and processes that underlie optical engineering
- Analyze measurements using appropriate theoretical models and errors analysis
- Design and validate optical systems subject to external constraints
- Effectively work in teams to solve technical problems and deliver final products
- Communicate ideas and research findings effectively in written reports, oral presentations, and graphical summaries

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 OPTICAL ENGINEERING MAJORS END UP

Higher Education
Manufacturing

Electronics & Computer
Hardware
Aerospace

Defense
Photonics

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!*

