

eli² Lifelong Leadership Program



UCF

TAKE CHARGE

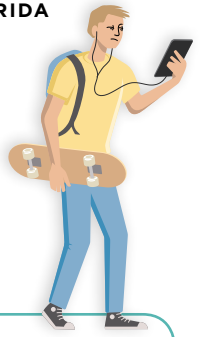
Engineering and Computer Science

LIFELONG LEADERSHIP JOURNEY



Engineering Leadership &
Innovation Institute at UCF

UNIVERSITY OF CENTRAL FLORIDA | ORLANDO



The UCF Difference

lifelong engagement

the **eli²** journey



Undergraduate Experiences

eli² Goal

- Transform the undergraduate engineer into a working professional.

Programs

- Engineering Leadership Minor or Certificate.
- Leadership in Engineering I & II (EGS 3030/3031).
- Leaders Up Close speaker series.
- Maker Spaces: Harris Gathering Lab, Idea Lab, Texas Instruments Innovation Lab and Manufacturing Lab.
- Senior design boot camps.
- Career and personal development sessions.
- eli² student leaders group.
- Development Circles – Year-long program involving industry partners who mentor small groups of students.

Focus

- Enhance core engineering skills with creativity, innovation, collaboration and accountability.

Value to Student

- Marketable record of accomplishment that gets students hired.

Value to Employers

- Robust talent stream of graduates who can hit the ground running on day one.
- Workforce skills that help grow the organization.
- Build STEM in the U.S.

developing engineering leaders

UCF Engineering Leadership & Innovation Institute (eli²)

The need for engineering and technology leaders is echoed universally by industry, the public sector, and professional societies.

Incorporating feedback from industry, eli² programs are designed to develop leadership skills in UCF engineering and computer science undergraduates, and to enhance the careers of new professionals, mid-level managers and executives.

The eli² journey begins with programs to transform undergraduates into self-driven leaders focused on collaboration, creativity, innovation and accountability. The journey continues with UCF programs that bolster young professionals' progress into management positions and empower mid-level managers to emerge as executives positioned to solve the world's major societal challenges.

What participants say about the eli² experience:

"eli² gives you professional qualities so that when you go into industry, you can immediately find success."

Undergraduate Student

"Through eli², I learned how to be a leader, and I learned how to communicate. You can't be an effective engineer if you can't share your vision with other people."

Early-Career Engineer



Graduate Experiences

eli² Goal

- Transform the working professional into a project/technical manager.

Programs

- Professional Engineering Management Program - a cohort of professionals working together to earn a Master's of Science in Engineering Management.

Focus

- Enhance skills to lead and deliver innovative solutions in a project-based environment.

Value to Student

- Ability to move from an individual contributor to a project leader.

Value to Employers

- Project leaders who deliver innovative solutions that make a strategic difference.



our mission

Empower students to discover their burning desire and confidence to deliver world-changing solutions.

Executive Experiences

eli² Goal

- Enable the transformation of the project/technical manager into an executive.

Programs

- Community of Practice - a collection of organizational leaders who share common challenges and approaches.

Focus

- Enhance knowledge to solve the organization's toughest problems.
- Share best practices with fellow leaders.

Value to Student

- Increased big-picture knowledge through sharing and learning with peers.

Value to Employers

- Enhanced organizational performance.
- Cross-sharing of best practices across institutions and leaders.

"The experience provided me with new tools, new processes and a fresh perspective to help me drive change and improve my organization, department and team."

Graduate Student

"Hearing how peers from diverse industries approached similar challenges was enlightening."

Community of Practice Participant



Engineering Leadership
& Innovation Institute at UCF



Thank You to Our Partners

Boeing | Duke Energy | Harris Corporation | Lockheed Martin | NASA - John F. Kennedy Space Center
Nielsen | Raytheon | Siemens Energy | Texas Instruments | Walt Disney World



Engineering Leadership
& Innovation Institute at UCF

our mission.

Empower students to discover their burning desire and confidence to deliver world-changing solutions.

join the journey.

The more you participate, the more you empower yourself and inspire others.

learn more.

cecs.ucf.edu/eli2

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**Inspiring and Educating
Students and Professionals
to Deliver World-
Changing Solutions**

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cecs.ucf.edu/eli2, and choose *About Us*.



**College of Engineering
and Computer Science**

UNIVERSITY OF CENTRAL FLORIDA