

eli² Undergraduate Leadership Program



TAKE CHARGE

Engineering and Computer Science
LEADERSHIP FAST-TRACK TO EMPLOYABILITY

build professional skills beyond your degree

eli² offers UCF Engineering and Computer Science students a competitive edge with the undergraduate experiences listed here. All get some, some get all.



Become Technically Sound

Join the Journey

Supports *Introduction to Engineering* EGS 1006/1007

Students will hear eli² presentations in the mandatory *Introduction to Engineering* course for all freshmen. The eli² presentations focus on inspiring students about

- 1) the crucial role of engineering in our everyday life and
- 2) the need to take ownership of their academic life.

A roadmap and scorecard are provided to students.

Core Courses



Learn to be Creative, Innovative, Collaborative, Accountable

Maker Space Lab Complex

Four labs in the Engineering II Bldg.:

- Harris Gathering Lab—a place for students to collaborate.
- Idea Lab—a creative space designed for students to optimize their ideas.
- Texas Instruments Innovation Lab—equipped with technology and materials for students to build prototypes.
- Manufacturing Lab—a space for students to convert their prototypes to the next level of fidelity.

Senior Design Boot Camp I & II

An interactive workshop for senior design teams that provides creativity, innovation, collaboration, and accountability tools to help teams with their projects. We offer two experiences: a project kickoff at the start of Senior Design 1 and a project check-in at the start of Senior Design 2.

Engineering Leadership Minor or Certificate

A series of courses to help students develop their engineering leadership skills and capabilities. Students can minor in engineering leadership or earn a certificate—an impressive boost on a college transcript.

Course: Leadership in Engineering I & II EGS 3030/3031

This seminar series course helps students build their creativity, innovation, collaboration, and accountability skills. It includes

- Industry and university leaders sharing their leadership journey and lessons learned in the Leaders Up Close seminar series
- Professional development workshops
- NAE Grand Challenges competition
- Google Sprint project
- Development Circles program — small, focused one-on-one mentoring circles

Course: Engineering Leadership & Innovation EGS 4624

This course helps students build creativity, innovation, and ethics skills.

Course: Engineering Leadership Capstone EGS 4950

Final course in the Engineering Leadership Minor/Certificate in which students reflect on their academic career, develop a roadmap to their future, and build their approach for delivering solutions in their workplace. The course is highly interactive and student-driven.

Course: Engineering Entrepreneurship EGS 4641

This course helps students build their entrepreneurship skills with emphasis on understanding customers' needs.

NAE Grand Challenges Competition

Teams of three to four students will choose one of the NAE Grand Challenges to research and present to the class using the Pecha Kucha presentation style. Project focuses on awareness of the global challenges defined by the National Academy of Engineering, collaboration, and presentation skills.

Google Sprint Project

Teams of three to four students will use the Google Sprint process to develop a solution to solve a “daily student challenge” problem. This project focuses on awareness of the Google Sprint process, collaboration, and presentation skills.

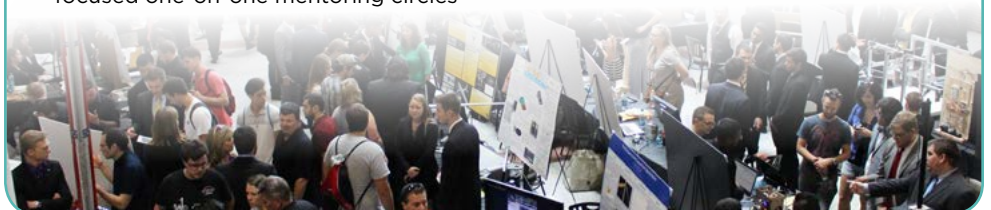
Professional Development Workshops

Gain additional skills and insights related to creativity, innovation, collaboration, accountability, and career management.

“You’re going to be working as part of a team, so collaboration, creativity, imagination, accountability, innovation—these are the qualities that you need. You cannot be an engineer without them.

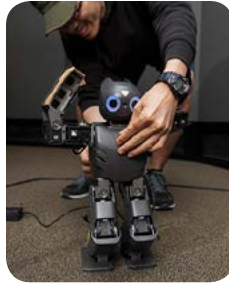
eli² gives you these qualities so that when you go into industry, you can immediately find success.”

—Gillian Werner
eli² student leader



our mission

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



Learn + Participate

HAVE FUN

Meet people, be a part of a team. Collaborate, innovate, and be creative!



Own Your Career

Professional Development Workshops

Gain additional skills and insights related to creativity, innovation, collaboration, accountability, and career management.

Development Circles

A year-long program involving industry partners who mentor small groups of students.

eli² Student Leaders

This high-visibility group supports eli² activities. By participating in numerous projects, volunteer opportunities and events throughout the year, these involved student leaders directly enhance their creativity, innovation, collaboration and accountability skills.



Live a Well-Balanced Life

Building Community: Hope & Proud Breakfasts

Begin the semester at the Hope Breakfast, a community-building event where students gather to plan for success. Proud Breakfast closes the semester and celebrates learning and successes.

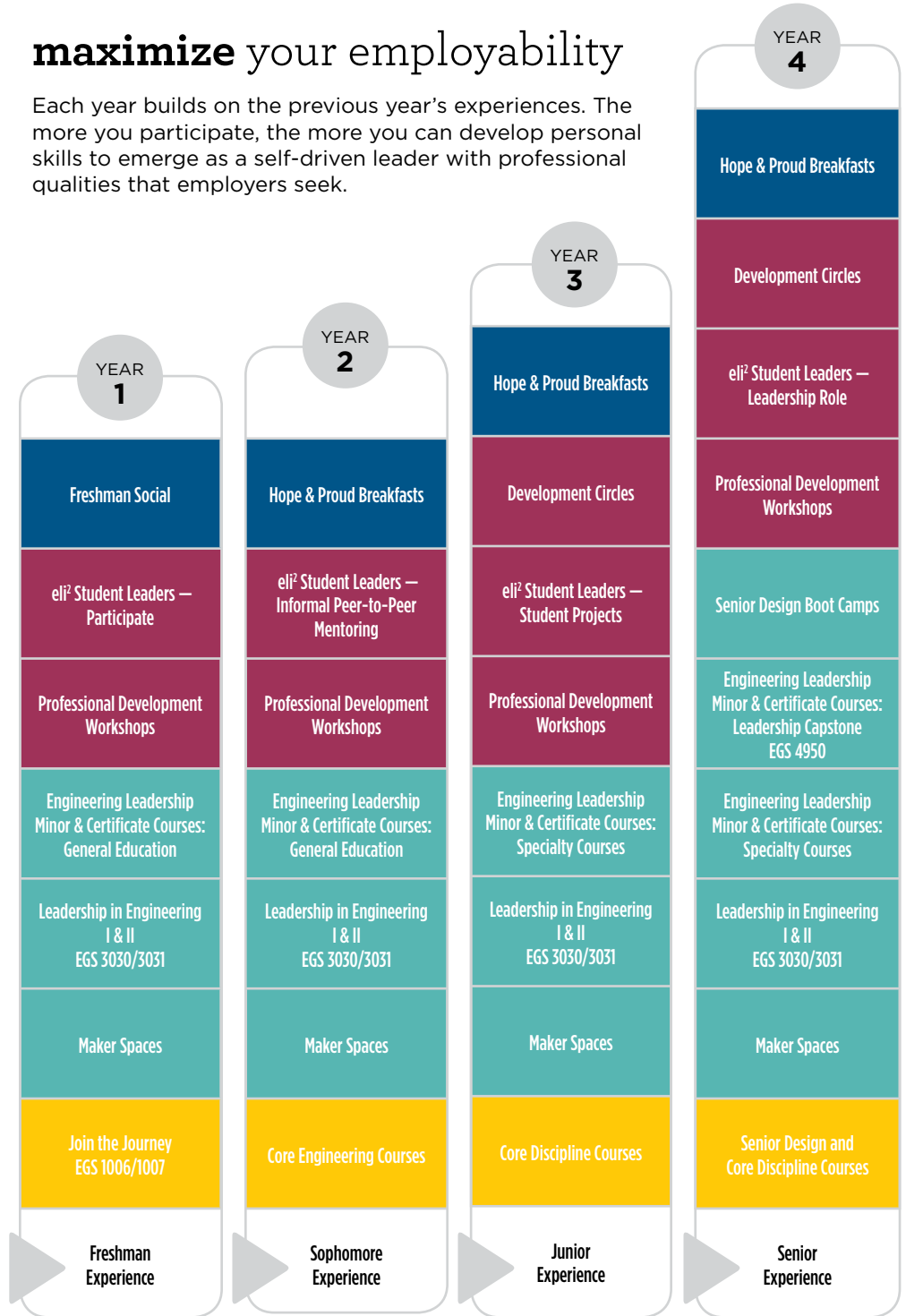
Meet People, Get Involved

The more students participate, the more they benefit. Numerous opportunities are available throughout the year to help students network, learn, form lasting friendships and be inspired.



maximize your employability

Each year builds on the previous year's experiences. The more you participate, the more you can develop personal skills to emerge as a self-driven leader with professional qualities that employers seek.





LEARN MORE

join the eli² student team

About eli² Student Leaders

This high-visibility team – a student committee, an intern team, and a director of interns – participates in numerous **eli²** projects, volunteer opportunities and college events throughout the year. By doing so, **eli²** Student Leaders enhance their academic curriculum with hands-on leadership opportunities while developing creativity, innovation, collaboration and accountability skills. As role models for their peers, they reflect the qualities of success-driven, high-achieving students aiming for technical leadership and management careers.

Involvement Includes

- Representing **eli²** at events such as the Dean’s Advisory Board dinner
- Joining interdisciplinary projects
- Coordinating National Engineers Week at UCF
- Volunteering at STEM outreach events
- Developing marketing strategy for **eli²**
- Building **eli²** social media presence
- Facilitating Google Sprint and NAE Grand Challenges
- Providing student “focus group” perspective for college initiatives



contact eli² student team
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cecs.ucf.edu/eli2/eli2-student-leaders

“eli² has given me the chance to develop professionally and has significantly enhanced my leadership ability. It has taught me an entirely different skill set than my classes have, making me a versatile and well-rounded engineer.”

—eli² student leader



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

join the journey.
Get on the leadership fast-track to employability by building professional skills beyond your degree.

learn more.
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Inspiring and Educating Students and Professionals to Deliver World-Changing Solutions

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To see the full eli² team, visit our website, cecs.ucf.edu/eli2, and choose *About Us*.



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