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Engineering Leadership & Innovation Institute at UCF
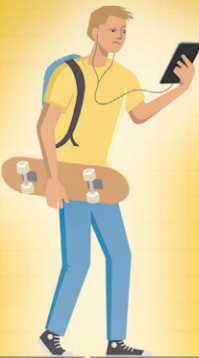
Inspiring Students & Professionals to Deliver World-Changing Solutions

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The UCF Difference: Lifelong Engagement

The Journey:

Engineering leaders aren't born, they are developed.

The world faces many challenges that can be solved with advanced technology and engineered systems. The world needs engineering leaders to bring forth global solutions.

The journey begins with **8,300+ undergraduate students** enrolled in the UCF College of Engineering & Computer Science. **All get some, and some get all** of the eli² undergraduate experiences listed.

	Undergraduate Experiences	Graduate Experiences	Executive Experiences
eli² Goal	• Transform the undergraduate engineer into a working professional.	• Transform the working professional into a project/technical manager.	• Enable the transformation of the project/technical manager into an executive.
Student Focus	• Enhance core engineering skills with creativity, innovation, collaboration and accountability.	• Enhance skills to lead and deliver solutions in a project-based environment. • Understand and connect your solution to the strategy and portfolio. • Use analytics to make the case. • Bring creative solutions. • Make systematic decisions and trade studies. • Define and manage requirements. • Work the project financials. • Implement a project plan. • Communicate. • Lead the team.	• Enhance knowledge to solve the organization's toughest problems. • Share best practices with fellow leaders.
Programs	• Engineering Leadership minor or certificate. • "Leaders Up Close" seminars. • Maker Spaces: Harris Gathering Lab, Idea Lab, Texas Instruments Innovation Lab and Manufacturing Lab. • Senior design boot camps. • Career development experiences.	• Professional Engineering Management Program, a cohort of professionals working together to earn a Master's of Science in Engineering Management.	• Community of Practice – a collection of organizational leaders who share common challenges and approaches.
Value to Student	• Marketable record of accomplishment that gets students hired.	• Ability to move from an individual contributor to a project leader.	• Increased big-picture knowledge through sharing and learning with peers.
Value to Employers	• Robust talent stream of graduates who can hit the ground running on day one. • Workforce skills that help grow the company. • Build STEM in the U.S.	• Project leaders who can transform and grow the business.	• Enhanced organizational performance. • Cross-sharing of best practices across institutions and leaders.
What participants are saying about the eli² experience:	*" I will endeavor to push to the edge in everything I do."* *Undergraduate Student*	*" 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. Time well spent."* *Community of Practice Participant*

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UCF
COLLEGE OF ENGINEERING & COMPUTER SCIENCE

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UCF Stands For Opportunity

11/2015 ed

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To see the full eli² team, visit our website and choose "About Us"

Why eli²?
Inside every engineer
and computer scientist
is a heart that desires to
make the world better.

Support eli².
Join the journey.
Find out more today.

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