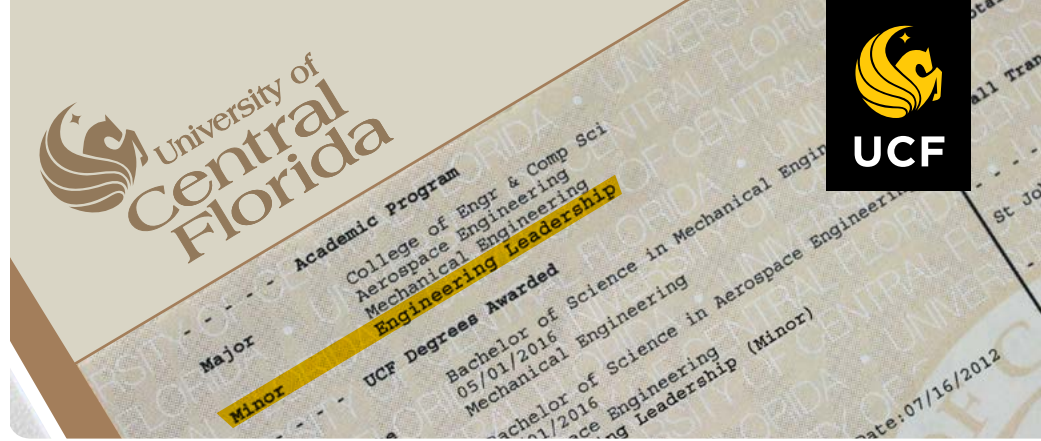




Engineering Leadership
& Innovation Institute at UCF



This year, 80,000+ new engineers will graduate and compete for jobs.

How will you stand out?



Engineering Leadership Minor or Certificate

Benefits for completing the Engineering Leadership Minor/Certificate:

- The need for engineering and technology leaders is echoed universally by private industry, government agencies, academic institutions, and engineering professional societies.
- Build skills employers want from you (creativity, innovation, collaboration and accountability) to enable the delivery of world-changing solutions.
- Boost your resume and college transcript.
- Join the **eli²** student leaders and gain access to workshops, industry and peer mentors, and stewardship and donor events hosted by the dean of the college.

Cost/Time commitment to complete the Engineering Leadership Minor/Certificate

- Designed to be executable within a normal academic career.
- Minor consists of 19 credit hours: nine classes including two zero-credit courses.
- Certificate consists of 12 credit hours: six classes including two zero-credit courses.
- Some courses may already be a part of your current curriculum.

How do I sign up for the Engineering Leadership Minor/Certificate?

To sign up for the Engineering Leadership Minor/Certificate you can take the following steps:

1. Double check that you are officially declared as an engineering or computer science student. You must be a declared engineering or computer science student and have successfully completed Calc I & II, Physics I, and an acceptable Chemistry.
2. Sign up online:
 - 1) My.ucf.edu
 - 2) Change Major: request
 - 3) Add minor or certificate
3. Please note catalog year differences on the required/elective course offerings.
4. Any questions please see your undergraduate academic advisor.

Office of Academic Affairs
ENG 1 Building, Room 107
8am-5pm
407-823-2455



Class Selections for Minor or Certificate for Engineering Leadership based on Catalog year

Catalog year: prior to Summer 2018

Focus Area	Courses	
Required Courses	MINOR <ul style="list-style-type: none"> • Discipline Specific Design Course in Engineering or Computer Science • LDR 2001 Foundations of Leadership (2 Hrs) • LDR 2002 Intermediate Foundations of Leadership (2 Hrs) • EGS 3030 Leadership in Engineering I (0 Hrs) • EGS 3031 Leadership in Engineering II (0 Hrs) • MAN 3025 Management of Organizations (3 Hrs) • PHI 3638 Ethical Issues in the 21ST Century (3 Hrs) or PHI 3626 Advanced Ethics in Science and Technology (3 Hrs) • EGS 4950 Engineering Leadership Capstone (3 Hrs) 	CERTIFICATE <ul style="list-style-type: none"> • Discipline Specific Design Course in Engineering or Computer Science • EGS 3030 Leadership in Engineering I (0 Hrs) • EGS 3031 Leadership In Engineering II (0 Hrs) • EGS 4950 Engineering Leadership Capstone (3 Hrs)
Electives	Pick One (MINOR) <ul style="list-style-type: none"> • MAR 3391 Professional Selling (3 hrs) • ENT 4183 Technological Entrepreneurship (3 hrs) or EGN 4641C Engineering Entrepreneurship (3 hrs) 	Pick Two (CERTIFICATE) <ul style="list-style-type: none"> • EGS 4624 Engineering Innovation and Leadership (3 hrs) • ENT 4183 Technological Entrepreneurship (3 hrs) or EGN 4641C Engineering Entrepreneurship (3 hrs) • MAR 3391 Professional Selling (3 hrs)

Catalog year: starting Summer 2018

Focus Area	Courses	
Required Courses	MINOR <ul style="list-style-type: none"> • Discipline Specific Design Course in Engineering or Computer Science or CAP 4102 for Information Technology majors • LDR 2001 Foundations of Leadership (2 hrs) • LDR 2002 Intermediate Foundations of Leadership (2 hrs) • EGS 3030 Leadership in Engineering I (0 hrs) • EGS 3031 Leadership in Engineering II (0 hrs) • EGS 4950 Engineering Leadership Capstone (3 hrs) 	CERTIFICATE <ul style="list-style-type: none"> • Discipline Specific Design Course in Engineering or Computer Science or CAP 4102 for Information Technology majors • EGS 3030 Leadership in Engineering I (0 hrs) • EGS 3031 Leadership in Engineering II (0 hrs) • EGS 4950 Engineering Leadership Capstone (3 hrs)
Electives	<ul style="list-style-type: none"> • EGS 4624 Engineering Innovation and Leadership (3 hrs) • MAN 3025 Management of Organizations (3 hrs) • MAR 3391 Professional Selling (3 hrs) • PHI 3638 Ethical Issues in the 21st Century (3 hrs) or PHI 3626 Advanced Ethics in Science and Technology (3 hrs) • ENT 4183 Technological Entrepreneurship (3 hrs) or EGN 4641C Engineering Entrepreneurship (3 hrs) 	
MINOR: Pick 3 electives		
CERTIFICATE: Pick 2 electives		

What courses can I use as technical electives?

Program	Courses Eligible as a Technical Elective
CECE	<ul style="list-style-type: none"> • EGS 4624 Engineering Innovation and Leadership in the Engineering Environment • EGS 4950 Engineering Leadership Capstone
IEMS	<ul style="list-style-type: none"> • MAR 3391 Professional Selling • ENT 4183 Technological Entrepreneurship or EGN 4641C Engineering Entrepreneurship • EGS 4624 Engineering Innovation and Leadership in the Engineering Environment (Required as part of the UG IE major)
MAE	<ul style="list-style-type: none"> • EGS 4624 Engineering Innovation and Leadership in the Engineering Environment

contact eli²

learn more.
cecs.ucf.edu/eli2

facebook.com/eli2ucf
@eli2UCF



Tim Kotnour, Ph.D.

Lockheed Martin St. Laurent Professor,
Industrial Engineering & Management Systems
Director, Engineering Leadership &
Innovation Institute (eli²)
407-823-5645 or Timothy.Kotnour@ucf.edu



Dr. Robert Hoekstra

eli² Creative Director & Idea Lab Director
Assoc. Professor, Industrial Engineering &
Management Systems
407-823-6175 or Robert.Hoekstra@ucf.edu



Kate Hurt, '14, Assistant Director
Undergraduate Program, eli²
407-823-0969 or Kate.Hurt@ucf.edu



**College of Engineering
and Computer Science**

UNIVERSITY OF CENTRAL FLORIDA