Engineering Leadership and Innovation (ELI)
**College Vision:** By 2025, the College of Engineering will be recognized as one of the nation’s Top 50 Public Research Engineering Colleges.

We will drive the Top 50 vision with student-centered catalysts.
ELI Goal

• There is a need for technical leaders with a broad understanding of how engineering is practiced in a rapidly changing business environment.
  – Leaders must have both technical and team management skills.

• ELI goal
  – Prepare exceptional engineering students for potential leadership roles in corporations and industrial firms.
ELI At a Glance

- 4-semester program, starting in the junior year
- $3,000/year scholarship for student participants
- Approximately 20 students in their sophomore year will be selected each spring. – Total of 40 student participants per year.
- ELI scholars will take leadership and business courses, learn with industry mentors, and practice leadership within a creative inquiry team.
Program Elements

- Coursework in Leadership and Business
- Leadership practice in creative inquiry teams
- Industry mentoring
- Corporate partner interactions
- Leadership portfolio
- Evaluation of skills development through self- and 360° assessment.
Students must have completed LEAD 212 – Introduction to Leadership Concepts (2 credit hours).

ELI scholars will take two of the following courses:

– LEAD 350 - Culture and Context in Leadership (3)
– LEAD 405 - Leadership in Practice (2)
– ACCTG 231 – Accounting for Business Operations (3)
– MANGT 420 – Management Concepts (3)
– MKTG 400 – Introduction to Marketing (3)
Leadership Practice - Creative Inquiry Team

• ELI scholars should be members of creative inquiry teams for at least 3 semesters while in the program.
  – They are expected to seek leadership positions on the team (e.g., president, treasurer).
• They will practice leadership skills learned from coursework and from their mentors.
Leadership Portfolio

• Each ELI scholar will create an electronic portfolio, consisting of plans, major activities, and reflections.
  – Leadership development plan
  – Reflection assignments
  – Student leadership practices inventory surveys
Learning with Industry Mentors

- ELI scholars will be paired with a mentor from one of the ELI corporate partners.
- ELI corporate partner mentors will have leadership/management experience and will devote about 6 hours per semester in interacting with mentees (i.e., email, phone, video chat, face-to-face meetings).
Evaluation of Development

- ELI scholars will evaluate the development of their leadership skills using the Student Leadership Practices Inventory (LPI).
  - Self-assessment - to be taken at the start of the ELI program and at start of the 2nd year.
  - 360° assessment - to be taken during the last semester of the ELI program.
<table>
<thead>
<tr>
<th>Freshman</th>
<th>Sophomore</th>
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<tbody>
<tr>
<td>Creative inquiry team</td>
<td></td>
</tr>
<tr>
<td>(two semesters participation)</td>
<td>Acceptance (start of spring)</td>
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<td>LEAD 212</td>
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<td>(must be taken before entering program)</td>
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<td>Application including endorsement by</td>
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<tr>
<td>creative inquiry team</td>
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### Timeline

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<th><strong>Junior</strong></th>
<th><strong>Senior</strong></th>
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| Creative inquiry team  
(three semesters participation) |  |
| Coursework in business and/or leadership studies  
(select two of the five courses offered) |  |
| Leadership development plan  
Leadership report  
Corporate partner interactions | Leadership development plan  
Leadership essay  
Corporate partner interactions |
| Student Leadership Practices Inventory  
Self-evaluation | Self-evaluation  
360° evaluation |
| Participant receives scholarship  
($3,000 per year) |  |
• ELI is designed to **train student leaders and innovators for tomorrow.**
  – Learning from theory
  – Learning through relationships with corporate partner mentors
  – Learning by practice within creative inquiry teams
Thank You!

For more information: http://www.engg.ksu.edu/eli/