Carl R. Ice College of Engineering
2019 Fall Update with the President and Provost
Key goals and metrics

• Increase number of students with ACT>28 from 207 to 270
• Increase UG enrollment from 2,809 to 3,750
• Increase URM from 201 to 360
• Increase UG women from 406 to 560
• Increase UG graduates from 423 to 587
• Increase 6-yr graduation rate from 44% to 49%
• Increase FR-SO retention from 67% to 75%
Key goals and metrics

• Increase Ph.D. enrollment from 150 to 310
• Increase Ph.D. graduates from 14 to 32 per year
• Reduce student-faculty ratio from 26 to 24
• Increase chairs/professorships from 29 to 40
• Increase annual giving from $21.3M to $45.4M
• Increase COE endowment from $45M to $116M
• Increase COE scholarships from $1.5M to $2.5M
Key goals and metrics – Other

• Recruit NAE member
• Increase number of students with int’l experience
• Increase number of faculty with int’l experience
• Increase number of students with industry experience
• Increase number of internships with KS companies
• Increase number of education grants
• Increase number of national teaching awards
## COE progress/accomplishments

<table>
<thead>
<tr>
<th></th>
<th>Goal</th>
<th>Current</th>
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</thead>
<tbody>
<tr>
<td>ACT &gt;28</td>
<td>270</td>
<td>260</td>
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<tr>
<td>UG enrollment</td>
<td>3,750</td>
<td>3,421*</td>
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<tr>
<td>URM</td>
<td>360</td>
<td>435</td>
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<tr>
<td>UG women</td>
<td>560</td>
<td>646</td>
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<tr>
<td>UG grads</td>
<td>587</td>
<td>692</td>
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<tr>
<td>6-yr grad rate</td>
<td>49%</td>
<td>49% (F18)</td>
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<tr>
<td>FR-SO retention</td>
<td>75%</td>
<td>78%</td>
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</tbody>
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## COE progress/accomplishments

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<td>233</td>
</tr>
<tr>
<td>Ph.D. graduates</td>
<td>32/yr</td>
<td>22 (AY18)</td>
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<tr>
<td>Student-faculty ratio</td>
<td>24</td>
<td>22 (F18)</td>
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<tr>
<td>Chairs/professorships</td>
<td>40</td>
<td>41</td>
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<tr>
<td>Annual giving</td>
<td>$45.4M</td>
<td>$49.5M (F19)</td>
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<tr>
<td>Endowment</td>
<td>$116M</td>
<td>$83M (F19)</td>
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<tr>
<td>Scholarships</td>
<td>$2.5M</td>
<td>$2.35M (F19)</td>
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COE 2025 challenges

- Faculty/staff salaries: merit, compression and COLA
- RCM funding model
  - Valuing the cost of engineering education
  - Clarity for value of research and extramural support
- Graduate programs
  - Funding for graduate students
  - Grad school requirements with “coursework option” master’s degree
- UG recruitment: scholarships/KSUF MOU processes, MSEP
- Space/facilities to expand for growth
Top priorities moving forward

General Business

• Transition to new RCM budget model/increase operational efficiency
• Secure commitment from state to continue UEIA funding beyond 2021/2022
• Initiate new/updated Five-Year Strategic Plan to complete K-State 2025
• Market K-State engineering as
  – the top choice for an engineering degree in the state of Kansas
  – the place to start your career path or to continue your career growth
  – a research active college developing new knowledge and technology
Top priorities moving forward

Education

- Increase COE UG enrollment back to 3,750-3,800
- Increase COE master’s enrollment
- Identify strategic opportunities for both UG and GR education
  - ABET EAC accreditation for both biomedical engg and environmental engg
  - Launch Computational Core program/support K-State Cyber Land Grant initiative
  - Explore new/additional digital and online education opportunities
  - Initiate Engineering Pathways for at-risk freshmen
Top priorities moving forward

**Research**

- Strengthen COE role/activity in Global Food, Health and Biosecurity; and Cyber Land Grant initiatives
- Expand external research opportunities with industry and other agencies
- Expand funding opportunities for GTA support
- Increase interdisciplinary, multiple-investigator research
Top priorities moving forward

**Philanthropic**
- Establish clear alignment between COE and KSUF priorities
- Secure long-term funding for expendable faculty awards and funds
- Secure additional large-unit naming gifts
- Secure funds for facility upgrades and enhancements