Vision:
Our vision is to be a recognized world leader for innovation and excellence in engineering education and research.

Strategic Priorities:
• Engineering for Society
• Active Learning
• Inclusive Excellence
Changes in the Past Five Years

- **Recession**
- **Growth**

<table>
<thead>
<tr>
<th></th>
<th>FT Fac</th>
<th>BS</th>
<th>MS/ME</th>
<th>PhD</th>
<th>Res Exp</th>
<th>Stud Fac</th>
<th>PhD Fac</th>
<th>Res Fac</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007 CU</td>
<td>156</td>
<td>2914</td>
<td>713</td>
<td>493</td>
<td>51M</td>
<td>26.4</td>
<td>3.2</td>
<td>327K</td>
</tr>
<tr>
<td>2012 CU</td>
<td>163</td>
<td>3375</td>
<td>904</td>
<td>709</td>
<td>78M</td>
<td>30.6</td>
<td>4.3</td>
<td>476K</td>
</tr>
<tr>
<td>2007 Peers</td>
<td>239</td>
<td>4055</td>
<td>650</td>
<td>872</td>
<td>92M</td>
<td>23.3</td>
<td>3.6</td>
<td>386K</td>
</tr>
<tr>
<td>2012 Peers</td>
<td>243</td>
<td>5231</td>
<td>895</td>
<td>945</td>
<td>106M</td>
<td>29.0</td>
<td>4.0</td>
<td>452K</td>
</tr>
</tbody>
</table>

- **Rankings**
  - *US News* Ugrad: 33<sup>rd</sup> → 32<sup>nd</sup>
  - *US News* Grad: 39<sup>th</sup> → 34<sup>th</sup>
  - *NRC* Grad Progs: 4 depts in top 15

- **Technology**
# Progress on Strategic Plan - People

## Prior growth targets for student enrollments already met

<table>
<thead>
<tr>
<th>Metric</th>
<th>2007 baseline</th>
<th>2010 target</th>
<th>2020 target</th>
<th>2012 results</th>
</tr>
</thead>
<tbody>
<tr>
<td># BS students</td>
<td>2914</td>
<td>3100</td>
<td>3350</td>
<td>3382</td>
</tr>
<tr>
<td>Avg. composite ACT</td>
<td>28.0</td>
<td>28.2</td>
<td>28.5</td>
<td>29.1</td>
</tr>
<tr>
<td>3rd-sem. retention</td>
<td>83%</td>
<td>83%</td>
<td>86%</td>
<td>86%</td>
</tr>
<tr>
<td>6-yr graduation rate</td>
<td>54%</td>
<td>55%</td>
<td>70%</td>
<td>60%</td>
</tr>
<tr>
<td># Master's students</td>
<td>716</td>
<td>730</td>
<td>785</td>
<td>904</td>
</tr>
<tr>
<td># PhD students</td>
<td>501</td>
<td>540</td>
<td>665</td>
<td>701</td>
</tr>
<tr>
<td># tenure-line faculty</td>
<td>156</td>
<td>175</td>
<td>203</td>
<td>163</td>
</tr>
</tbody>
</table>

2008 new freshmen: 20% women, 7% URM

2013 new freshmen: 28% women, 14% URM
Progress on Strategic Plan - Places

Biotechnology Building
- Opened in spring 2012
- Classrooms & teaching labs finished Fall 2014

Fleming Building
- Office/lab space in 2010
- The Idea Forge for student projects in Fall 2014

About 100,000 sf more space needed for growth
Progress on Strategic Plan - Programs

**BOLD/GoldShirt** – Started in 2009

**Engineering Honors** – Tripled in size

**Engineering Leadership** – Launched in 2011

**Mortenson Center in EDC** – Founded in 2009

**New Degree Programs** – 6 started 2010-2013

**Residential Acad. Prog.** – 3 launched 2009-2013
More Progress on Strategic Plan - Programs

*Aerospace* – Aerospace Ventures underway in 2013

*Biotechnology* – BioFrontiers Institute approved 2011

*Energy & Environmental Sustainability* – RASEI formed 2010

*Materials Science & Engineering* – Started in 2010
Highlights of Refreshed Strategic Plan

1. Accelerated Growth
2. Ambitious Building Plans
3. Innovative Research & Educational Programs
How will our Strategic Priorities be Advanced?

1. **Engineering for Society**
   - Research innovation & excellence
   - Educational innovation & excellence
   - Global & business knowledge

2. **Active Learning**
   - Discovery, professional & service learning
   - Blended learning
   - The Idea Forge

3. **Inclusive Excellence**
   - Branding & recruitment
   - Performance & retention
   - Student & faculty diversity
Accelerated Growth Plans for 2007-2020

*Undergraduates:* 48% enrollment growth (vs. 15% before)
*Grad students:* 44% enrollment growth (vs. 19% before)
*Faculty members:* 42% growth in number (vs. 26% before)

**Why Grow?**
1. Enhanced reputation and resources
2. Student interest & employer demand

**“Goldilocks” Discussion:** Are our new growth plans too little, too much, or just right?
- We are already ahead of revised schedule
- Five-year national growth 31% vs. CU 16%
Ambitious Building Plans for 2013-2020

**Aerospace** – Construct new building on East Campus

**Biotechnology** – Finish teaching space and add 5th wing

**Fleming** – Create Idea Forge, pursue larger presence

**Sustainable Energy Environment Complex (SEEC)** – Lab/office space for Engineering RASEI Fellows, and possibly more

**Discussion:** What should our long-term vision be for the aging Engineering Center?

- Replace it?
- Retrofit it?

More modern space is needed
1. What are the keys to building excellence while inspiring continued innovation?

2. How can we partner with industry to increase internship opportunities?

3. What are the best strategies for increased diversity?
   - More scholarships?
   - Better messaging?
   - Enhanced recruiting?
   - Innovative programs?

4. How can we better engage students in planning?
Next Steps

1. Incorporate EAC feedback
2. Incorporate faculty & staff feedback
3. Align messaging with branding platform
4. Published refreshed plan next month

Final review by EAC task force