College Update – 10 Big Steps

1. Improved Rankings
2. Biotechnology Building
3. Philanthropic Support
4. Scholarship Offers
5. BOLD Initiatives
6. Student Admissions
7. Educational Innovation
8. Leadership Certificate
9. Research Innovation
10. Academic Review
1. Improved Rankings

National Research Council – 9/2010, Graduate Programs*

<table>
<thead>
<tr>
<th>Program</th>
<th>2010</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerospace</td>
<td>3rd of 31</td>
<td>13th of 33</td>
</tr>
<tr>
<td>Chemical</td>
<td>14th of 106</td>
<td>26th of 93</td>
</tr>
<tr>
<td>Civil</td>
<td>9th of 135</td>
<td>24th of 86</td>
</tr>
<tr>
<td>Computer</td>
<td>49th of 126</td>
<td>40th of 108</td>
</tr>
<tr>
<td>Electrical</td>
<td>45th of 136</td>
<td>38th of 126</td>
</tr>
<tr>
<td>Mechanical</td>
<td>11th of 127</td>
<td>51st of 110</td>
</tr>
</tbody>
</table>

* rankings based on midpoint of regression-based score


4 graduate programs in top 10-15
2. Biotechnology Building

Opening expected February 2012

Located on East Campus

337,000 sq ft, $163 million
Kudos for a blockbuster year!
4. Scholarship Offers

- Doubled the numbers of merit & BOLD offers
- Dean’s Scholarship for Boettcher semi-finalists
- Offers made one week after admissions decisions
- Do scholarships matter?

2-year averages, entering students:
- 32% admitted students enrolled
- 32% offered scholarships enrolled

2-year averages, top 20% of students:
- 29% enrolled, if scholarship offered
- 17% enrolled, if no scholarship

1/3rd of Boettcher semi-finalists applied to our college!
5. BOLD Initiatives

- BOLD Scholarship Endowment
- Student Success Center
- Math Workgroups
- Skyline High School STEM Academy
- Industry Participation
  - mentoring
  - site visits
  - industry nights

Donor Recognition: Dave & Dorothy Clair
6. Student Admissions

- CU Engineering Enrollment Growth
  
  Undergraduates: +11% in 4 years
  Graduate students: +34% in 4 years

- Outlook for Fall 2011
  
  Projected first-year students: 778 vs. 712 last year
  Confirmed women to-date: 25.3% vs. 24.3% last year
  Confirmed URMs to-date: 11.7% vs. 9.8% last year

The 2010 freshman class includes 24.2% women and 12.5% underrepresented minorities, increases of 20% and 76%, respectively, in just two years.
7. Educational Innovation

- Introduction to Engineering Course
- Center for Engineering Education Research & Assessment (CEERA)
- CU-Mesa State Partnership
- Engineering Entrepreneurship

- Residential Academic Programs

New RAP in Sustainability by Design
8. Engineering Leadership Program

• Courses in leadership, project management & global perspectives
• Team-based project with industry, non-profit, or government
• Mentoring relationship
• Leadership seminars
• Leadership portfolio
• Culminates in certificate
9. Research Innovation

• New graduate degree programs in
  − Architectural Engineering (MS/PhD)
  − Materials Science & Engineering (PhD)
  − Telecommunications (PhD)

• Interdisciplinary research initiatives
  − Aerospace (AS³E)
  − Biotechnology (CIMB)
  − Energy (RASEI)
  − Materials (MSE)

• Key opportunity
  − Energy & environmental sustainability

Grant awards on pace to exceed $60 million
10. Academic Review & Planning

- Campus review of programs every 7 years
- A few key issues
  - Resources for growth
  - Leadership development
  - Engagement in fundraising

Thank you, EAC members!
Speed Dating - Discussion

1. Provide at least one good recommendation for developing future leaders

2. Suggest at least two attractive ways to engage faculty and volunteers in fundraising

3. Identify at least one way that CU can be a world leader in *Energy & Environmental Sustainability*