

University Engineering Initiative Act

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★ LEADING HIGHER EDUCATION ★

University Engineering Initiative Act

- Legislative Appropriations:
 \$1M for FY2012 (2011 HB 2014)
- ★ Enhancement beginning FY2013:

\$3.5M per year for 10 years for each of the three universities

★ Total of \$105M over 10 years

University Engineering Initiative Act

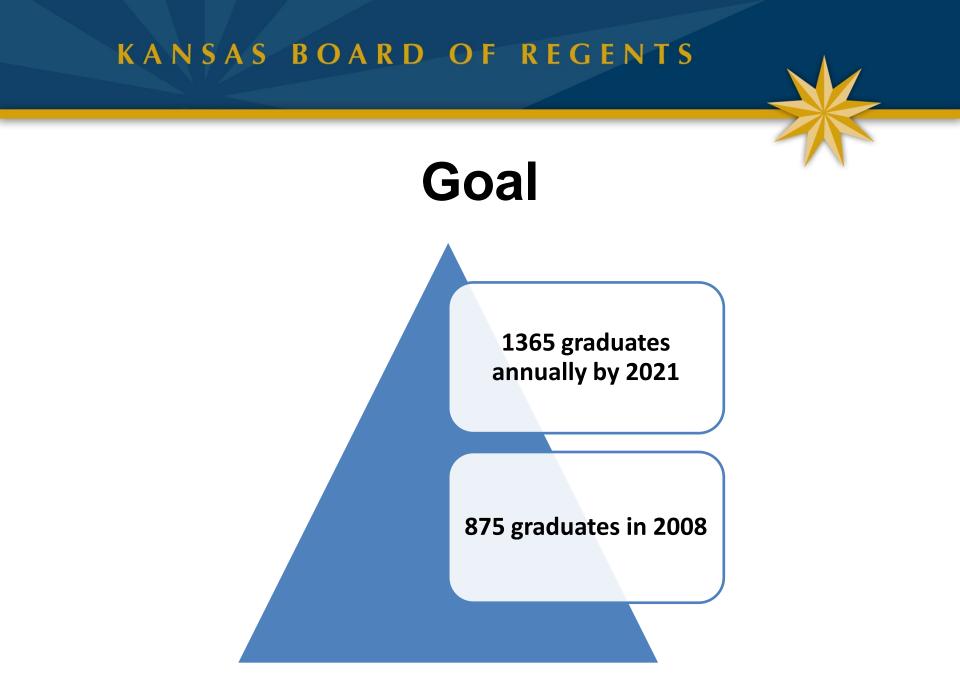
 Requires dollar for dollar match from nonstate sources

 Analysis and report of university progress and goal trajectory due to Legislature by 2017 regular session

Legislation Requires Partnerships

...secretary of Commerce, with board of regents, universities and private industries... ... shall develop a plan to ensure engineering industry partners find new talent, designs and techniques...

... to fuel economic growth and business success in Kansas



Reporting

★ Each university provides:

- Updated scorecard
- Updated narrative
- Updated information on connections with employers and students, graduates employed in Kansas and wages, scholarships, internships, research dollars, and gifts

Number of Graduates Needed to Reach 2021 Goal

 * 164 additional graduates for each university over baseline of 2008 to meet legislative goals

KANSAS STATE UNIVERSITY

| Baseline Graduates (2008) | AY 12-13 Graduates | Target Goal Graduates | Gap |
|------------------------------|--------------------|--------------------------|-----|
| | | | |
| 423 | 471 | 587 | 116 |
| | | | |

UNIVERSITY OF KANSAS

| Baseline Graduates (2008) | AY 12-13 Graduates | Target Goal Graduates | Gap |
|------------------------------|--------------------|--------------------------|-----|
| 255 | 338 | 419 | 81 |

WICHITA STATE UNIVERSITY

| Baseline Graduates (2008) | AY 12-13 Graduates | Target Goal Graduates | Gap |
|------------------------------|--------------------|--------------------------|-----|
| 197 | 208 | 361 | 153 |
| | | | |

Enrollments Needed to Meet Goals

| Total Baseline Enrollments (2008) | Total Current Enrollments (AY 12-13) | Enrollments Needed to Meet Goals |
|--------------------------------------|---|-------------------------------------|
| | | |
| 5935 | 7014 | 9258 |

- ★ Enrollments increase proportionately to increase in graduates
- ★ Graduates increase from 875 to 1365
- ★ Enrollments must increase from 5935 to 9258, increase of 56%

Additional Scorecard Items

- ★ Engineering graduates working in Kansas
- Starting wages for engineering graduates in Kansas
- Scholarship dollars awarded to engineering students
- Number of students with engineering internships

Additional Scorecard Items

- Number of students with engineering internships in Kansas
- Number of Kansas companies offering engineering internships
- Research dollars from corporate, private and other sources
- ★ New endowment gifts

Beechcraft: a Kansas/Wichita legacy



Beechcraft must reinvent itself to stay competitive *** 1932**

Founded by Walter H. and Olive Ann Beech

★ 1940's

Employed 14,000 and produced 7,400 airplanes

*** 1980**

Became a subsidiary of Raytheon Company

*** 1993**

Acquired Hawker jet line from British Aerospace

* 2007

Purchased by GS Capital Partners & Onex to become Hawker Beechcraft Corporation

* 2012

Hawker Beechcraft filed bankruptcy

* 2013

Emerged from bankruptcy as Beechcraft

- Total Employment: 8,000
- Wichita Employment: 3,400

Digital Modeling for Beechcraft Product Line



Engineering On-Demand Using an Applied Learning Model

- Applied learning for WSU students
- 60 student employees working for Beechcraft
- Similar relationships being formed with additional companies
- Admitted applications for engineering program at WSU increased substantially
 - Spring 2014 63.6% increase
 - Fall 2014 43.2% increase

Questions?