Presentation to the Senate Education Committee

Robert Kustra, President
February 13, 2014
# Idaho’s hot jobs for 2010-2020 are abundant, fast growing and high paying.

**1. Registered Nurses**
- Employment: 16,388
- Projected Employment: 18,461
- Growth: 13.14% (40.44%)
- Median Annual Salary: $28,24
- Associate Degree

**2. Medical and Health Services Managers**
- Employment: 1,978
- Projected Employment: 611
- Growth: -22.50% (29.88%)
- Median Annual Salary: $34,59
- Bachelor’s Degree

**3. Physical Therapists**
- Employment: 1,455
- Projected Employment: 247
- Growth: -34.05% (41.21%)
- Median Annual Salary: $34,27
- Doctoral or Professional Degree

**4. Dental Hygienists**
- Employment: 1,573
- Projected Employment: 511
- Growth: -67.44% (30.22%)
- Median Annual Salary: $34,10
- Associate Degree

**5. Pharmacists**
- Employment: 1,726
- Projected Employment: 68
- Growth: -64.77% (22.93%)
- Median Annual Salary: $52,13
- Doctoral or Professional Degree

**6. Software Developers, Applications**
- Employment: 1,697
- Projected Employment: 53
- Growth: -68.99% (29.94%)
- Median Annual Salary: $30,83
- Bachelor’s Degree

**7. Management Analysts**
- Employment: 2,705
- Projected Employment: 89
- Growth: -68.10% (24.91%)
- Median Annual Salary: $25,56
- Bachelor’s Degree

**8. Physicians and Surgeons, All Other**
- Employment: 1,211
- Projected Employment: 222
- Growth: 11.26% (22.45%)
- Median Annual Salary: not available
- Doctor or Professional Degree

- Employment: 1,606
- Projected Employment: 49
- Growth: -61.10% (20.52%)
- Median Annual Salary: $29,76
- Bachelor’s Degree

**10. Market Research Analysts and Marketing Specialists**
- Employment: 1,479
- Projected Employment: 71
- Growth: -43.30% (40.59%)
- Median Annual Salary: $23,39
- Bachelor’s Degree

**11. Radiologic Technologists and Technicians**
- Employment: 1,399
- Projected Employment: 56
- Growth: -60.66% (39.90%)
- Median Annual Salary: $24,46
- Associate Degree

**12. Family and General Practitioners**
- Employment: 918
- Projected Employment: 33
- Growth: -68.46% (24.22%)
- Median Annual Salary: $80,60
- Doctoral or Professional Degree

**13. Physician Assistants**
- Employment: 732
- Projected Employment: 27
- Growth: -68.57% (29.56%)
- Median Annual Salary: $42,95
- Master’s Degree

**14. Licensed Practical and Licensed Vocational Nurses**
- Employment: 3,609
- Projected Employment: 770
- Growth: 11.63% (27.12%)
- Median Annual Salary: $18,22
- Postsecondary Non-Degree Award

**15. Mechanical Engineers**
- Employment: 1,370
- Projected Employment: 58
- Growth: -56.94% (18.31%)
- Median Annual Salary: $39,05
- Bachelor’s Degree

**16. Electrical Engineers**
- Employment: 2,124
- Projected Employment: 73
- Growth: -64.55% (15.81%)
- Median Annual Salary: $42,69
- Bachelor’s Degree

**17. Computer Systems Analysts**
- Employment: 1,774
- Projected Employment: 40
- Growth: -76.38% (22.42%)
- Median Annual Salary: $29,19
- Bachelor’s Degree

**18. Industrial Machinery Mechanics**
- Employment: 1,630
- Projected Employment: 60
- Growth: -64.35% (27.94%)
- Median Annual Salary: $21,11
- High School Diploma or Equivalent

**19. Loan Officers**
- Employment: 2,825
- Projected Employment: 105
- Growth: -62.02% (18.35%)
- Median Annual Salary: $23,49
- High School Diploma or Equivalent

**20. Elementary School Teachers, Excluding Special Education**
- Employment: 8,160
- Projected Employment: 273
- Growth: -69.44% (17.24%)
- Median Annual Salary: not available
- Bachelor’s Degree

**LEGEND**
- Projected Employment
- Required Education
- Annual Openings
- Median Hourly Wage

Explore careers at labor.idaho.gov/careers and see more job growth projections at lmi.idaho.gov.
Serving Idaho’s Changing Economy

Select New Degrees in Past 10 Years to Meet Economic Demands

- Materials Science (MS, PhD)
- Computer Engineering (MS)
- Electrical Engineering (MS)
- Electrical & Computer Engineering (PhD)
- Mechanical Engineering (MS)
- Management Information Systems (MS)
- Information Technology Management (MBA)
- STEM Education (MS)
- Nursing (MS, DNP)
- Nursing (BS – Distance)
- Radiologic Sciences (BS)
- Health Sciences Studies (BS – includes emphases in leadership and health policy or health informatics, among others)
- Kinesiology (BS-Pre Professional, MS)
- Biomolecular Science (PhD)

Select New Degrees/Certificates planned in the next Few Years to Meet Economic Demands

- Computer Systems Engineering (BS)
- Bioinformatics (BS/MS *joint program with ISU)
- Business Intelligence (Certificate)
- Biomedical Sciences (BS)
- Biomedical Engineering (MS)
- MBA with Health Care Emphasis
- Computer Science (PhD)
In the past five years we have:

- Increased nursing bachelor’s and master’s degree graduates by more than 300 percent
- Doubled our graduates in biology, chemistry and pre-medical studies
- Boosted our mechanical engineering graduates by 50 percent
- Doubled our computer science BS and MS graduates

Serving Idaho’s Changing Economy
Striving for New Ways to Inspire, Educate and Prepare Students
Improving Transferability
State Board of Education Goal: 60% of Idahoans between the ages of 25-34 attain a postsecondary degree or credential by 2020. Currently, only 39% of Idahoans between 25-34 years of age have a postsecondary degree or credential.
Number of Graduates per Year

Boise State awards more than 40% of all public university bachelor’s degrees in Idaho:

2013: 3,757 grads!
2003: 2,364 grads
1993: 1,819 grads
1934: 25 grads

Years 1934-2012
A Highly Efficient University
Administrative Flexibility

There are efficiencies to be gained by removing multiple layers of oversight that exist in today's business model for Boise State. The State Board of Education is the constitutional body responsible of oversight of Idaho's higher education system, but the current model has additional unneeded additional layers of review and approval at various state entities.

Idaho's current administrative model for higher education is bifurcated; the University of Idaho and community colleges optionally utilize state support services, while Boise State, LCSC, and ISU are required to utilize them. Changing the system to allow all higher education entities optional access would streamline the system.

We worked closely with the Board as well as impacted state agencies in developing the bill provisions.

Boise State has proven its effectiveness in determining where state administrative services or university operated services are the most beneficial.

– In 2009, the Legislature gave universities sole, independent discretion over purchases not relating to statewide contracts. Since then Boise State has averaged a 75% increase in formal purchasing bids and completed the bid process in fewer days; all while reducing customer complaints and response times and without expanding staff supports.
Challenge: Meeting the 60% Goal

Carnegie Basic Classification

- Master's-Large: 24.5
- Doctoral/Research: 26.7
- Research-High: 23.1
- National Average: 22.6
Challenge: Meeting the 60% Goal

72 new full-time positions needed to decrease Boise State’s ratio to midpoint between average of Master’s-Large and Doctoral/Research

Carnegie Basic Classification

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<thead>
<tr>
<th></th>
<th>Master's-Large</th>
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<tr>
<td>Ratio</td>
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Challenge: Meeting the 60% Goal

- National Academic Advising Association Recommended Minimum: 300
- Boise State University: 578
Challenge: Meeting the 60% Goal

12 new professional advisor positions needed to reach the recommended minimum

National Academic Advising Association Recommended Minimum: 300
Boise State University: 578
The Value of a College Degree

Median annual earnings among full-time workers ages 25 to 32, in 2012 dollars


PEW RESEARCH CENTER
Thank you

The Class of 2017 celebrated their first day on campus with a new tradition - 'The B on the Blue'