Presenta4on to the Educa4on Commi=ee

Robert Kustra, President
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## Idaho’s hot jobs for 2010-2020

Idaho’s hot jobs for 2010-2020 are abundant, fast growing and high paying. Here are the top 20 jobs with the highest growth and income potential:

1. **Registered Nurses**
   - Projected Employment: 16,186
   - Growth: 4,661 (40.44%)
   - Median Wage: $28.24
   - Required Education: Associate Degree

2. **Medical and Health Services Managers**
   - Projected Employment: 1,978
   - Growth: 455 (29.88%)
   - Median Wage: $34.59
   - Required Education: Bachelor’s Degree

3. **Physical Therapists**
   - Projected Employment: 1,453
   - Growth: 424 (41.21%)
   - Median Wage: $34.27
   - Required Education: Doctoral or Professional Degree

4. **Dental Hygienists**
   - Projected Employment: 1,573
   - Growth: 365 (30.22%)
   - Median Wage: $34.10
   - Required Education: Associate Degree

5. **Pharmacists**
   - Projected Employment: 1,726
   - Growth: 322 (22.93%)
   - Median Wage: $52.13
   - Required Education: Doctoral or Professional Degree

6. **Software Developers, Applications**
   - Projected Employment: 1,697
   - Growth: 391 (29.94%)
   - Median Wage: $30.83
   - Required Education: Bachelor’s Degree

7. **Management Analysts**
   - Projected Employment: 2,708
   - Growth: 540 (24.91%)
   - Median Wage: $25.56
   - Required Education: Bachelor’s Degree

8. **Physicians and Surgeons, All Other**
   - Projected Employment: 2,220
   - Growth: 222 (24.45%)
   - Median Wage: $60.78
   - Required Education: Doctoral or Professional Degree

9. **Network and Computer Systems Administrators**
   - Projected Employment: 1,400
   - Growth: 312 (28.52%)
   - Median Wage: $29.76
   - Required Education: Bachelor’s Degree

10. **Market Research Analysts and Marketing Specialists**
    - Projected Employment: 1,479
    - Growth: 427 (40.59%)
    - Median Wage: $23.37
    - Required Education: Bachelor’s Degree

11. **Radiologic Technologists and Technicians**
    - Projected Employment: 1,399
    - Growth: 399 (39.90%)
    - Median Wage: $24.46
    - Required Education: Associate Degree

12. **Family and General Practitioners**
    - Projected Employment: 918
    - Growth: 179 (24.22%)
    - Median Wage: $80.60
    - Required Education: Doctoral or Professional Degree

13. **Physician Assistants**
    - Projected Employment: 732
    - Growth: 167 (29.56%)
    - Median Wage: $42.95
    - Required Education: Master’s Degree

14. **Licensed Practical and Licensed Vocational Nurses**
    - Projected Employment: 770
    - Growth: 153 (27.12%)
    - Median Wage: $18.22
    - Required Education: Postsecondary Non-Degree Award

15. **Mechanical Engineers**
    - Projected Employment: 1,371
    - Growth: 212 (15.81%)
    - Median Wage: $39.05
    - Required Education: Bachelor’s Degree

16. **Electrical Engineers**
    - Projected Employment: 2,124
    - Growth: 290 (15.81%)
    - Median Wage: $42.69
    - Required Education: Bachelor’s Degree

17. **Computer Systems Analysts**
    - Projected Employment: 1,714
    - Growth: 215 (22.42%)
    - Median Wage: $29.19
    - Required Education: Bachelor’s Degree

18. **Industrial Machinery Mechanics**
    - Projected Employment: 1,630
    - Growth: 356 (27.94%)
    - Median Wage: $21.11
    - Required Education: High School Diploma or Equivalent

19. **Loan Officers**
    - Projected Employment: 2,025
    - Growth: 438 (21.55%)
    - Median Wage: $23.49
    - Required Education: High School Diploma or Equivalent

20. **Elementary School Teachers, Excluding Special Education**
    - Projected Employment: 1,560
    - Growth: 1,200 (77.24%)
    - Median Wage: $27.36
    - Required Education: Bachelor’s Degree

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**Legend**
- **Projected Employment**
- **Growth in Number / %**
- **Annual Openings**
- **Median Hourly Wage**

Explore careers at labor.idaho.gov/careers and see more job growth projections at lmi.idaho.gov.
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)

Serving Idaho’s Changing Economy

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

• A chance for students to start their own businesses

• More than 200 local leaders mentor and assist

• Critical thinking
• Problem-solving and inquiry
• Ethics
• Written and oral communications
• Innovation and teamwork

• Show what they have learned
• Bridge the gap between college and career
• Create relationships with employers and opportunities for internships
• Connect what employers want with what faculty teach
• Provide career/job outlook information to freshman to help them as they choose a major

• E-Portfolios

• Career Center
• Developing transfer equivalencies for every Boise State course so that students at top “feeder” institutions can transition seamlessly
• Ensuring that there is a central position responsible for facilitating transfer articulation agreements and coordinating information and activities among Boise State offices
• Ensuring that transfer agreements and other essential transfer information are clear and easily accessible on the Boise State website
• Created a Boise State center on the CWI campus that provides students with convenient access to advising and registration

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.
Boise State University

Number of Graduates per Year

Boise State awards more than 40% of all public university bachelor’s degrees in Idaho. 2013: 3,757 grads!

1934: 25 grads
1993: 1,819 grads
2003: 2,364 grads
2013: 3,757 grads!
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 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
- Basic: 22.6

Data source: IPEDS Fall 2011 (public universities)
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.

Data source: IPEDS Fall 2011 (public universities)
Challenge: Meeting the 60% Goal

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<tr>
<th>National Academic Advising Association Recommended Minimum</th>
<th>Boise State University</th>
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<td>300</td>
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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 Class of 2017 celebrated their first day on campus with a new tradition - 'The Bon The Blue'.