### Idaho’s hot jobs for 2010-2020 are abundant, fast growing and high paying.

<table>
<thead>
<tr>
<th>Rank</th>
<th>Occupation</th>
<th>Projected Employment</th>
<th>Growth (%)</th>
<th>Median Earnings</th>
<th>Earnings Range</th>
<th>Education Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Registered Nurses</td>
<td>16,188</td>
<td>44.44%</td>
<td>$28.24</td>
<td></td>
<td>Associate Degree</td>
</tr>
<tr>
<td>2</td>
<td>Medical and Health Services Managers</td>
<td>1,978</td>
<td>29.88%</td>
<td>$34.59</td>
<td></td>
<td>Bachelor’s Degree</td>
</tr>
<tr>
<td>3</td>
<td>Physical Therapists</td>
<td>1,453</td>
<td>41.21%</td>
<td>$34.27</td>
<td></td>
<td>Doctoral or Professional Degree</td>
</tr>
<tr>
<td>4</td>
<td>Dental Hygienists</td>
<td>1,573</td>
<td>30.22%</td>
<td>$34.10</td>
<td></td>
<td>Associate Degree</td>
</tr>
<tr>
<td>5</td>
<td>Pharmacists</td>
<td>1,726</td>
<td>22.93%</td>
<td>$32.22</td>
<td></td>
<td>Doctoral or Professional Degree</td>
</tr>
<tr>
<td>6</td>
<td>Software Developers, Applications</td>
<td>1,697</td>
<td>29.94%</td>
<td>$30.83</td>
<td></td>
<td>Bachelor’s Degree</td>
</tr>
<tr>
<td>7</td>
<td>Management Analysts</td>
<td>3,708</td>
<td>24.79%</td>
<td>$54.28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Physicians and Surgeons, All Other</td>
<td>1,211</td>
<td>22.45%</td>
<td>$39.86</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Network and Computer Systems Administrators</td>
<td>1,406</td>
<td>20.52%</td>
<td>$29.76</td>
<td></td>
<td>Bachelor’s Degree</td>
</tr>
<tr>
<td>10</td>
<td>Market Research Analysts and Marketing Specialists</td>
<td>1,479</td>
<td>40.59%</td>
<td>$23.39</td>
<td></td>
<td>Bachelor’s Degree</td>
</tr>
<tr>
<td>11</td>
<td>Radiologic Technologists and Technicians</td>
<td>1,399</td>
<td>39.90%</td>
<td>$24.46</td>
<td></td>
<td>Associate Degree</td>
</tr>
<tr>
<td>12</td>
<td>Family and General Practitioners</td>
<td>918</td>
<td>24.22%</td>
<td>$80.60</td>
<td></td>
<td>Doctoral or Professional Degree</td>
</tr>
<tr>
<td>13</td>
<td>Physician Assistants</td>
<td>752</td>
<td>29.56%</td>
<td>$42.95</td>
<td></td>
<td>Master’s Degree</td>
</tr>
<tr>
<td>14</td>
<td>Mechanical Engineers</td>
<td>1,370</td>
<td>18.31%</td>
<td>$24.29</td>
<td></td>
<td>Bachelor’s Degree</td>
</tr>
<tr>
<td>15</td>
<td>Electrical Engineers</td>
<td>2,124</td>
<td>15.81%</td>
<td>$42.69</td>
<td></td>
<td>Bachelor’s Degree</td>
</tr>
<tr>
<td>16</td>
<td>Computer Systems Analysts</td>
<td>1,774</td>
<td>22.42%</td>
<td>$29.19</td>
<td></td>
<td>Bachelor’s Degree</td>
</tr>
<tr>
<td>17</td>
<td>Industrial Machinery Mechanics</td>
<td>1,630</td>
<td>27.94%</td>
<td>$21.11</td>
<td></td>
<td>High School Diploma or Equivalent</td>
</tr>
<tr>
<td>18</td>
<td>Loan Officers</td>
<td>2,825</td>
<td>18.35%</td>
<td>$43.00</td>
<td></td>
<td>High School Diploma or Equivalent</td>
</tr>
<tr>
<td>19</td>
<td>Elementary School Teachers, Excluding Special Education</td>
<td>8,600</td>
<td>17.24%</td>
<td>$27.30</td>
<td></td>
<td>High School Diploma or Equivalent</td>
</tr>
<tr>
<td>20</td>
<td>Secondary School Teachers, Excluding Special Education</td>
<td>6,800</td>
<td>16.24%</td>
<td>$27.00</td>
<td></td>
<td>High School Diploma or Equivalent</td>
</tr>
</tbody>
</table>

**Legend:**
- **Projected Employment:** Number of jobs projected for the future.
- **Growth (%):** Annual average growth rate.
- **Median Earnings:** Median annual earnings.
- **Earnings Range:** Range of salaries.
- **Education Required:** Minimum educational requirements for the job.
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
Striving for New Ways to Inspire, Educate and Prepare Students

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

E-Portfolios
- Show what they have learned
- Bridge the gap between college and career

Career Center
- 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

Venture College
- A chance for students to start their own businesses
- More than 200 local leaders mentor and assist
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

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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 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

Number of Graduates per Year

© 2012 Boise State University
State General Fund Contribution:
FY 2002: $73.5 million (enrolled 18,431 and produced 2,364 graduates)
FY 2014: $77.7 million (enrolled 22,638 and produced 3,757 graduates)

Boise State receives the lowest per-student share of state general fund dollars, but produces the highest number of graduates each year.

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
- Doctoral/Research
- Research-High
- Carnegie Basic Classification
- National Average
- FTE
- Students per Full-Time Instructional Faculty

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

<table>
<thead>
<tr>
<th>Carnegie Basic Classification</th>
<th>FTE Students per Full-Time Instructional Faculty Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master’s-Large</td>
<td>24.5</td>
</tr>
<tr>
<td>Boise State</td>
<td>23.5</td>
</tr>
<tr>
<td>Doctoral/Research</td>
<td>23.1</td>
</tr>
<tr>
<td>Research-High</td>
<td>22.6</td>
</tr>
</tbody>
</table>
Challenge: Meeting the 60% Goal

![Bar chart showing National Academic Advising Association Recommended Minimum (300) and Boise State University (578)]
Challenge: Meeting the 60% Goal

- National Academic Advising Association Recommended Minimum: 300
- Boise State University: 578

12 new professional advisor positions needed to reach the recommended minimum.
The Class of 2017 celebrated their first day on campus with a new tradition - "The B on The Blue."