PresentaHon

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Joint

AppropriaHons

CommiJee

Robert

Kustra,

President

Jan.

22,

2014
Boise State serves a very different region and state than just a few years ago. Technology plays a far bigger role than ever before.

- Over 48,000 workers in Idaho are employed in technology.
- Between 2000 and 2010, the number of high-tech companies in Idaho grew by 61 percent.
- Statewide, technology accounts for 17 percent of all wages earned ($3.4 billion).
# Idaho's Hot Jobs for 2010-2020

Here are the top 20 highest-paying jobs in Idaho for the period 2010-2020:

<table>
<thead>
<tr>
<th>Rank</th>
<th>Occupation</th>
<th>Number</th>
<th>Median Annual Salary</th>
<th>Projected Growth</th>
<th>Required Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Registered Nurses</td>
<td>675</td>
<td>$28.24</td>
<td>-1%</td>
<td>Associate Degree</td>
</tr>
<tr>
<td>2</td>
<td>Medical and Health Services Managers</td>
<td>83</td>
<td>$34.59</td>
<td>-4%</td>
<td>Bachelor's Degree</td>
</tr>
<tr>
<td>3</td>
<td>Physical Therapists</td>
<td>54</td>
<td>$34.27</td>
<td>-2%</td>
<td>Doctoral or Professional Degree</td>
</tr>
<tr>
<td>4</td>
<td>Dental Hygienists</td>
<td>61</td>
<td>$34.10</td>
<td>-2%</td>
<td>Bachelor's Degree</td>
</tr>
<tr>
<td>5</td>
<td>Pharmacists</td>
<td>68</td>
<td>$52.13</td>
<td>-2%</td>
<td>Doctoral or Professional Degree</td>
</tr>
<tr>
<td>6</td>
<td>Software Developers, Applications</td>
<td>53</td>
<td>$30.83</td>
<td>-4%</td>
<td>Bachelor's Degree</td>
</tr>
<tr>
<td>7</td>
<td>Management Analysts</td>
<td>89</td>
<td>$25.56</td>
<td>-8%</td>
<td>Bachelor's Degree</td>
</tr>
<tr>
<td>8</td>
<td>Physicians and Surgeons, All Other</td>
<td>42</td>
<td>$28.24</td>
<td>not available</td>
<td>Doctoral or Professional Degree</td>
</tr>
<tr>
<td>9</td>
<td>Network and Computer Systems Administrators</td>
<td>49</td>
<td>$29.76</td>
<td>-2%</td>
<td>Bachelor's Degree</td>
</tr>
<tr>
<td>10</td>
<td>Market Research Analysts and Marketing Specialists</td>
<td>71</td>
<td>$23.39</td>
<td>-2%</td>
<td>Bachelor's Degree</td>
</tr>
<tr>
<td>11</td>
<td>Radiologic Technologists and Technicians</td>
<td>56</td>
<td>$24.46</td>
<td>-2%</td>
<td>Associate Degree</td>
</tr>
<tr>
<td>12</td>
<td>Family and General Practitioners</td>
<td>53</td>
<td>$20.60</td>
<td>-4%</td>
<td>Doctoral or Professional Degree</td>
</tr>
<tr>
<td>13</td>
<td>Physician Assistants</td>
<td>27</td>
<td>$42.95</td>
<td>-2%</td>
<td>Master's Degree</td>
</tr>
<tr>
<td>14</td>
<td>Licensed Practical and Licensed Vocational Nurses</td>
<td>153</td>
<td>$18.22</td>
<td>-2%</td>
<td>Postsecondary Non-Degree Award</td>
</tr>
<tr>
<td>15</td>
<td>Mechanical Engineers</td>
<td>58</td>
<td>$39.05</td>
<td>-2%</td>
<td>Bachelor's Degree</td>
</tr>
<tr>
<td>16</td>
<td>Electrical Engineers</td>
<td>73</td>
<td>$42.69</td>
<td>-2%</td>
<td>Bachelor's Degree</td>
</tr>
<tr>
<td>17</td>
<td>Computer Systems Analysts</td>
<td>40</td>
<td>$29.19</td>
<td>-2%</td>
<td>Bachelor's Degree</td>
</tr>
<tr>
<td>18</td>
<td>Industrial Machinery Mechanics</td>
<td>60</td>
<td>$21.11</td>
<td>-2%</td>
<td>High School Diploma or Equivalent</td>
</tr>
<tr>
<td>19</td>
<td>Loan Officers</td>
<td>105</td>
<td>$23.49</td>
<td>-2%</td>
<td>High School Diploma or Equivalent</td>
</tr>
<tr>
<td>20</td>
<td>Elementary School Teachers, Excluding Special Education</td>
<td>273</td>
<td>$21.11</td>
<td>-2%</td>
<td>Bachelor's Degree</td>
</tr>
</tbody>
</table>

**Legend:**
- **Occupation:** Name of the occupation
- **Number:** Estimated number of positions
- **Median Annual Salary:** Median annual salary in 2010
- **Projected Growth:** Projected growth rate
- **Required Education:** Required level of education

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)
Serving Idaho’s Changing Economy

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

As Micron has evolved so too has Boise State University

• $6 million for an engineering complex (1996)
• $2 million for Materials Science program (2003)
• $5 million for Electrical and Computer Engineering PhD (2004)
• $13 million for Materials Science and Engineering PhD (2011)
• $12 million for Business & Economics Building (2012)
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.

- 1934: 25 grads
- 1993: 1,819 grads
- 2003: 2,364 grads
- 2013: 3,757 grads!
A List colleges and universities deliver the best academic and economic value to students, while admitting a high percentage of applicants.

Boise State University

#15 OVERALL IN-STATE TUITION A-LIST RANKING
#7 WEST REGIONAL IN-STATE TUITION A-LIST RANKING
TOP 50 OVERALL OUT-OF-STATE TUITION A-LIST RANKING
Where Idaho High School 2012 Graduates Went To College

<table>
<thead>
<tr>
<th>College</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boise State University</td>
<td>1,039</td>
</tr>
<tr>
<td>University of Idaho</td>
<td>934</td>
</tr>
<tr>
<td>Idaho State University</td>
<td>793</td>
</tr>
<tr>
<td>Brigham Young University</td>
<td>706</td>
</tr>
<tr>
<td>College of Southern Idaho</td>
<td>667</td>
</tr>
<tr>
<td>College of Western Idaho</td>
<td>526</td>
</tr>
<tr>
<td>North Idaho College</td>
<td>258</td>
</tr>
<tr>
<td>Lewis-Clark State College</td>
<td></td>
</tr>
</tbody>
</table>

Source: State Board of Education
Striving for New Ways to Inspire, Educate and Prepare Students

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

- Foundational Studies
  - 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
A Highly Efficient 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.
<table>
<thead>
<tr>
<th>Request</th>
<th>Total</th>
<th>Governor’s Recommendation</th>
</tr>
</thead>
<tbody>
<tr>
<td>CEC Increase 1%</td>
<td>$3,204,100</td>
<td></td>
</tr>
<tr>
<td>CEC/Benefit Shift to General Fund</td>
<td>$3,687,100</td>
<td></td>
</tr>
<tr>
<td>60% Goal</td>
<td>$14,006,200</td>
<td>$5,000,000</td>
</tr>
<tr>
<td>Occupancy Costs</td>
<td>$421,300</td>
<td>$421,300</td>
</tr>
<tr>
<td>Higher Education Research Council</td>
<td>$400,000</td>
<td>$200,000</td>
</tr>
<tr>
<td>Deferred Maintenance</td>
<td>$12,500,000</td>
<td></td>
</tr>
<tr>
<td>Center for Advanced Energy Studies</td>
<td></td>
<td>$1,000,000</td>
</tr>
</tbody>
</table>
Challenge: Meeting the 60% Goal

Carnegie Basic Classification
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

24.5
23.5
26.7
23.1
22.6

Master's-Large  Boise State  Doctoral/ Research  Research-High

Carnegie Basic Classification
Challenge: Meeting the 60% Goal

<table>
<thead>
<tr>
<th>National Academic Advising Association Recommended Minimum</th>
<th>Boise State University</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>578</td>
</tr>
</tbody>
</table>
Challenge: Meeting the 60% Goal

12 new professional advisor positions needed to reach the recommended minimum

300

National Academic Advising Association Recommended Minimum

578

Boise State University
The Value of a College Degree

Education beyond high school means higher wages, more promotional opportunities and fewer chances of becoming unemployed. Education and training really do pay!

**Earnings by Education**

- **Doctoral or professional degree**
  - Mean Wage: $47,16
  - Entry Wage: $29,42
  - Over a Lifetime: $5,280,000

- **Master’s degree**
  - Mean Wage: $29,58
  - Entry Wage: $19,70
  - Over a Lifetime: $3,721,000

- **Bachelor’s degree**
  - Mean Wage: $26,53
  - Entry Wage: $17,81
  - Over a Lifetime: $3,610,000

- **Associate degree**
  - Mean Wage: $24,73
  - Entry Wage: $18,55
  - Over a Lifetime: $3,629,000

- **Some college, no degree**
  - Mean Wage: $17,19
  - Entry Wage: $10,26
  - Over a Lifetime: $2,636,000

- **Postsecondary non-degree award**
  - Mean Wage: $14,89
  - Entry Wage: $10,61
  - Over a Lifetime: $2,194,000

- **High school diploma or equivalent**
  - Mean Wage: $16,25
  - Entry Wage: $11,10
  - Over a Lifetime: $2,508,000

- **Less than high school**
  - Mean Wage: $10,65
  - Entry Wage: $8,37
  - Over a Lifetime: $1,665,000

**Earnings over a Lifetime**

- Doctoral or professional degree: $5,280,000
- Master’s degree: $3,721,000
- Bachelor’s degree: $3,610,000
- Associate degree: $3,629,000
- Some college, no degree: $2,636,000
- Postsecondary non-degree award: $2,194,000
- High school diploma or equivalent: $2,508,000
- Less than high school: $1,665,000

**Difference**

- $5,280,000 - $1,665,000 = $3,615,000

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**Footnotes:**

- Lifetime earnings take into account opportunity costs, entry wage earnings in the onset years of a career, median earnings in the later years and average wage inflation of 2.5 percent over a 49-year career.
- Average wage paid to those in the bottom third of workers in an occupation.

Idaho’s Career Information System helps people of all ages make informed career decisions with information about occupations, careers, postsecondary education, financial aid and finding jobs.

Idaho Department of Labor
C.L. “Butch” Otter, Governor
Kenneth D. Edmunds, Director

For detailed information on Idaho occupations, wages and employment levels, visit us on the Web at:

labor.idaho.gov/careerinfo  labor.idaho.gov/lmi

The Idaho Department of Labor is an equal opportunity employer and service provider. Reasonable accommodations are available upon request. Dial 711 for TTY Idaho Relay Service.
The Value of a College Degree

Change in employment since the start of the recession

DEC. 2007 - APRIL 2013

College graduates +9%
Some college 0%
High school graduates −9%
Less than high school −14%

Source: Bureau of Labor Statistics
THANK YOU

The Class of 2017 celebrated their first day on campus with a new tradition - "The Bon The Blue"