Status One Year After Earning a Physics Bachelor’s, Classes of 2009 & 2010 Combined

Graduate Study

<table>
<thead>
<tr>
<th>Field</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics &amp; Astronomy</td>
<td>36%</td>
</tr>
<tr>
<td>Other Fields</td>
<td>24%</td>
</tr>
<tr>
<td>Employment</td>
<td>35%</td>
</tr>
<tr>
<td>Unemployment</td>
<td>5%</td>
</tr>
</tbody>
</table>

(N=4,219)

http://www.aip.org/statistics

Fields of Study for Physics Bachelor’s Continuing Directly Onto Graduate Study, Classes of 2009 & 2010 Combined

- Engineering: 19%
- Other: 20%
- Physics or Astronomy: 61%

(N=2,436)

http://www.aip.org/statistics
Initial Employment Sectors of Physics Bachelor’s, Classes of 2009 & 2010 Combined

- Private Sector: 53%
- Other STEM: 8%
- Other Natural Sciences: 8%
- Physics or Astronomy: 5%
- Computer or Information Systems: 21%
- Other: 5%
- College & University: 13%
- High School: 11%
- Civilian Gov’t, National Lab: 10%
- Active Military: 8%

Field of Employment for Physics Bachelor’s in the Private Sector, Classes of 2009 & 2010 Combined

- Engineering: 32%
- Non-STEM: 26%
- Other: 10%

STEM refers to natural Science, Technology, Engineering, and Mathematics.

http://www.aip.org/statistics

http://www.aip.org/statistics
What’s a Bachelor’s Degree Worth?
Typical Salary Offers by Campus Recruiters, AY 2008-09

Bachelor’s Field
Chemical Engineering
Computer Science
Electrical Engineering

Physics
Mechanical Engineering
Mathematics
Civil Engineering
Finance
Nursing
Accounting
Marketing
Chemistry
Secondary Education
Psychology
Biology / Lifescience

Starting Salary in Thousands

Typical salaries are the middle 50%, i.e. between the 25th and 75th percentiles.

Reprinted from the Fall 2009 Salary Survey, with permission of the National Association of Colleges and Employers, copyright holder.

Typical Starting Salaries for Physics Bachelor’s Classes of 2009 & 2010 Combined

Employer
Private Sector STEM
Civilian Govt. incl. Natl. Labs
Private Sector non-STEM
Active Military
High School Teachers
College or University

Typical Salaries
(in thousands of dollars)

Figure includes only bachelor’s in full-time, newly accepted positions.

Typical salaries are the middle 50%, i.e. between the 25th and 75th percentiles. STEM refers to positions in natural Science, Technology, Engineering, and Math.

http://www.aip.org/statistics
Table 4. Double majors, 2003 physics seniors.

<table>
<thead>
<tr>
<th>Physics seniors with a double major</th>
<th>37%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other major for physics seniors</td>
<td>%</td>
</tr>
<tr>
<td>Mathematics</td>
<td>43</td>
</tr>
<tr>
<td>Engineering</td>
<td>12</td>
</tr>
<tr>
<td>Astronomy</td>
<td>10</td>
</tr>
<tr>
<td>Computer Science</td>
<td>8</td>
</tr>
<tr>
<td>Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>Philosophy &amp; Theology</td>
<td>4</td>
</tr>
<tr>
<td>Music &amp; Fine arts</td>
<td>3</td>
</tr>
<tr>
<td>Other</td>
<td>15</td>
</tr>
</tbody>
</table>

Note: For comparison, in 2003 5% of all bachelor’s received a double major. (NCES)

AIP Statistical Research Center, Physics and Astronomy Senior Report.

Knowledge and Skills Regularly Used by Physics Bachelor’s Employed in the Private Sector, Classes of 2009 & 2010 Combined

- Solve Technical Problems
- Work on a Team
- Technical Writing
- Knowledge of Phys. or Ast.
- Perform Quality Control
- Use Specialized Equip.
- Design & Development
- Programming
- Manage Projects
- Work with Customers
- Advanced Math
- Simulation or Modeling
- Computer Admin.
- Manage People
- Manage Budgets

Percentages represent the physics bachelor’s who chose "daily", "weekly", or "monthly" on a four-point scale that also included "never or rarely".

http://www.aip.org/statistics
Employers that Recently Hired
3 or More Physics Bachelors

3M
Bechtel Corporation
Boeing
Center for Nanoscale Science & Engineering
Corning, Inc.
Dell Computers
Department of Defense (DoD)
Epic Systems Corporation
General Dynamics
Honeywell
IBM
Jet Propulsion Laboratory (JPL)
Lawrence Berkeley National Lab (LBL)
Lockheed Martin
Los Alamos National Laboratory (LANL)
Massachusetts General
MIT Lincoln Laboratory
National Institute of Standards & Technology (NIST)
National Institutes of Health (NIH)
Northrop Grumman
Raytheon
SAIC (Science Applications International Corp.)
Schlumberger
Sonoscan, Inc.
United Space Alliance
US Patent and Trademark Office
Veritas DGC, Inc.
X-Ray Optical Systems, Inc. (XOS)

This is only a portion of the employers who hired more than two recent physics bachelors within the last three years. If you are interested in one of these employers, investigate whether they are currently hiring. Try to
Typical Stipends
First-Year Physics Graduate Students

- PhD Students
  - Teaching Assistant
  - Research Assistant
  - Fellowship
- Students in Master's Departments
  - Teaching Assistant

Annual Stipend in Thousands (9 Month Academic Year)

Typical stipends are the middle 50%, i.e., between the 25th and 75th percentiles.


Percent of Bachelor's Degrees and Doctorate's in Astronomy Earned by Women, Classes 1981 through 2010.

http://www.aip.org/statistics