# PhD Completions and Placement, Ten Year Trend 2003-2004 to 2012-2013

## Computer Science

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</tr>
</thead>
<tbody>
<tr>
<td>Graduates</td>
<td>2</td>
<td>4</td>
<td>6</td>
<td>5</td>
<td>7</td>
<td>5</td>
<td>12</td>
<td>4</td>
<td>5</td>
<td>7</td>
<td>6</td>
</tr>
<tr>
<td>Percent of Graduates with Placement Info</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>92%</td>
<td>100%</td>
<td>40%</td>
<td>57%</td>
<td></td>
<td>89%</td>
</tr>
<tr>
<td>Grads Average Time to Degree in Years*</td>
<td>6.50</td>
<td>6.56</td>
<td>5.04</td>
<td>3.60</td>
<td>5.68</td>
<td>6.10</td>
<td>5.98</td>
<td>5.69</td>
<td>7.05</td>
<td>5.04</td>
<td>5.72</td>
</tr>
<tr>
<td>Grads Median Time to Degree in Years*</td>
<td>6.50</td>
<td>5.75</td>
<td>5.00</td>
<td>4.25</td>
<td>5.25</td>
<td>5.75</td>
<td>5.63</td>
<td>5.63</td>
<td>6.25</td>
<td>5.00</td>
<td>5.50</td>
</tr>
</tbody>
</table>

*Time to degree represents the time in years from the graduates' first admission to TGS until their graduation term.

**Quarterly graduation started in Summer 2010. Each year spans Summer to Spring graduation terms.

## Placement Category Definitions

<table>
<thead>
<tr>
<th>Category</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic:</td>
<td>Includes teaching, research, and administrative positions at a university or college. Examples include Assistant Professor, Associate Professor, Instructor, Lecturer, and Senior Research Associate</td>
</tr>
<tr>
<td>Postdoctoral/Additional Training:</td>
<td>Includes postdoctoral fellows, researchers, associates, and other training positions, such as residents and students pursuing additional degrees. Examples include Postdoctoral Fellow, Postdoctoral Associate, Postdoctoral Researcher, Postdoctoral Scholar, Medical Resident, and Student.</td>
</tr>
<tr>
<td>Industry:</td>
<td>Includes research, leadership, technical, and professional positions at private industries and businesses. Examples include Research Scientist, Research Engineer, Consultant, and CEO.</td>
</tr>
<tr>
<td>Government/Non-Profit:</td>
<td>Includes positions in local, state, and federal government organizations. Also includes research and leadership positions at non-profit organizations. Examples include Senior Staff Scientist, Research Analyst, Statistician, Economist, Psychologist, and Director.</td>
</tr>
<tr>
<td>Other:</td>
<td>Includes anyone who does not fit into the above categories. Examples include Clinical Psychologist, Homemaker, Teaching K-12, Self-Employed, Independent Scholar, Private Practitioner, Physician and Deceased.</td>
</tr>
</tbody>
</table>

Placement information is captured in the TGS PhD Placement Database using graduate responses from the Exit Survey and Survey of Earned Doctorates, and updated with the help of faculty and staff after each graduation. The database is intended to capture all first placement information, as well as all subsequent placements since graduation. This summary presents the placement information TGS has captured on graduate's first placements, including temporary positions, and a section on most recent placements. Over the past 10 years, an average of 89% of graduates in Computer Science have known placement information. For the 2012 - 2013 graduates, 4 out of 7 have known placements.

Source: TGS Placement Database

As of 7/15/2014
Computer Science, PhD Graduates
First Placement Category by Graduation Year, Ten Year Trend

Percent of Graduates with Placement Information

- Academic
- Post Doc/Add'l Training
- Industry
- Gov't/Non-Profit
- Other

Academic Year

2003 - 2004
- Post Doc/Add'l Training: 50%
- Industry: 50%
Number of Grads with Placement Info: 2

2004 - 2005
- Post Doc/Add'l Training: 25%
- Industry: 75%
Number of Grads with Placement Info: 4

2005 - 2006
- Post Doc/Add'l Training: 60%
- Industry: 40%
Number of Grads with Placement Info: 6

2006 - 2007
- Post Doc/Add'l Training: 60%
- Industry: 40%
Number of Grads with Placement Info: 5

2007 - 2008
- Post Doc/Add'l Training: 14%
- Industry: 86%
Number of Grads with Placement Info: 7

2008 - 2009
- Post Doc/Add'l Training: 40%
- Industry: 60%
Number of Grads with Placement Info: 5

2009 - 2010
- Post Doc/Add'l Training: 36%
- Industry: 27%
Number of Grads with Placement Info: 11

2010 - 2011
- Post Doc/Add'l Training: 25%
- Industry: 50%
Number of Grads with Placement Info: 4

2011 - 2012
- Post Doc/Add'l Training: 50%
- Industry: 50%
Number of Grads with Placement Info: 2

2012 - 2013
- Post Doc/Add'l Training: 25%
- Industry: 50%
Number of Grads with Placement Info: 4

10-Year Total
- Post Doc/Add'l Training: 24%
- Industry: 56%
Number of Grads with Placement Info: 50

Source: TGS Placement Database

As of 7/15/2014
All PhD Graduates, 2003-2004 to 2012-2013 Combined
First Placement Category by Broad Field Category

Source: TGS Placement Database
As of 7/15/2014
Computer Science PhD Graduates, 2003-2004 to 2012-2013 Combined
Academic and Postdoctoral/Additional Training Carnegie Classification of Known First Placements

The Carnegie Classification provides categories for all U.S. Higher Education institutions into one of the following general areas:

- **Research/doctoral universities** are institutions that offer a variety of baccalaureate degrees and award at least ten doctoral degrees per year across at least three academic disciplines or at least twenty doctoral degrees per year overall.

- **Master's colleges and universities** are institutions that offer a variety of baccalaureate degrees and award twenty or more master's degrees per year.

- **Baccalaureate colleges** are institutions that award baccalaureate degrees.

- **Other** includes colleges awarding associate degrees and specialized institutions that award degrees in a particular field such as medical and law schools, religious institutions, schools of business, engineering, art, design, and military institutes.

- Also included are **foreign institutions** outside of the U.S. that award higher education degrees.

  * Excludes not-for-profit and government positions.

Source: TGS Placement Database

As of 7/15/2014
Computer Science PhD Graduates, 2003-2004 to 2012-2013 Combined
Academic and Postdoctoral/Additional Training of Known First Placements
U.S. News and World Report 2013 Rankings for National Universities and Liberal Arts Colleges

The figure above shows the U.S. News and World Report ranking of national universities and liberal arts colleges where Northwestern University PhD graduates first placed in an academic or postdoctoral position at a U.S. institution.

* Excludes foreign and not-for-profit and government positions.

Source: TGS Placement Database
As of 7/15/2014
### Computer Science PhD Graduates, 2003-2004 to 2012-2013 Combined
### Most Recent Placements
Most frequent employers by placement category, listed first by frequency, then US News ranking group

#### Academic

<table>
<thead>
<tr>
<th>University of Texas - Pan American (2)</th>
<th>University of Minnesota - Twin Cities (1)</th>
<th>University of Victoria (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northwestern University (1)</td>
<td>University of Pittsburgh - Main Campus (1)</td>
<td></td>
</tr>
<tr>
<td>Pomona College (1)</td>
<td>California State University - Monterey Bay (1)</td>
<td></td>
</tr>
<tr>
<td>University of Washington - Seattle (1)</td>
<td>Nanyang Technological University (1)</td>
<td></td>
</tr>
<tr>
<td>Centre College (1)</td>
<td>Northeastern Illinois University (1)</td>
<td></td>
</tr>
<tr>
<td>Clemson University (1)</td>
<td>Southwestern University of Finance and Economics, China (1)</td>
<td></td>
</tr>
</tbody>
</table>

#### Not-for-Profit/Government

| NATO (1) |

#### Industry

| Google (4) | Apple (1) | IBM (1) | Perfect Market (1) |
| Microsoft Corporation (3) | BMW (1) | IDV Solutions (1) | Smart Information Flow Technologies (SIFT) (1) |
| AT&T (1) | Barclays Capital (1) | Intel Research (1) | Telenav (1) |
| Adobe Systems, Inc. (1) | Canon Camera Research Labs, USA (1) | Ion Storm (1) | Three Rings Entertainment (1) |
| Alcatel Lucent (1) | Dosensio Inc. (1) | Narrative Science (1) | Yahoo! (1) |
| Amazon (1) | Gas Technologies Institute (1) | Nokia Research (1) | |

#### Post-Doctoral

| Northwestern University (1) |
| University of Maryland - College Park (1) |
| Illinois Institute of Technology (1) |
| University of Colorado - Denver (1) |

*(#) = number of graduates at organization*