# Sectors of Known First Position for Graduates of PhD Programs in Physical Sciences, Mathematics, and Engineering; Ten-Year Trend

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<tbody>
<tr>
<td>Graduates</td>
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<tr>
<td></td>
<td>171</td>
<td>165</td>
<td>174</td>
<td>158</td>
<td>168</td>
<td>157</td>
<td>164</td>
<td>199</td>
<td>197</td>
<td>199</td>
<td>175</td>
</tr>
<tr>
<td>Percent of Graduates with Placement Info</td>
<td>95%</td>
<td>96%</td>
<td>97%</td>
<td>93%</td>
<td>93%</td>
<td>94%</td>
<td>95%</td>
<td>94%</td>
<td>94%</td>
<td>16%</td>
<td>87%</td>
</tr>
<tr>
<td>Grads Average Time to Degree in Years*</td>
<td>5.30</td>
<td>5.28</td>
<td>5.49</td>
<td>5.63</td>
<td>5.56</td>
<td>5.48</td>
<td>5.75</td>
<td>5.32</td>
<td>5.60</td>
<td>5.47</td>
<td>5.49</td>
</tr>
<tr>
<td>Grads Median Time to Degree in Years*</td>
<td>5.25</td>
<td>5.25</td>
<td>5.25</td>
<td>5.25</td>
<td>5.25</td>
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*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.

## Possible Placement Categories

### Possible Career Sectors/Industries
- Academia
- Advertising, Marketing, & Public Relations
- Arts
- Communication & Media
- Computer Science, Information, & Internet Technology
- Consulting
- Consumer Products & Retail
- Energy & Sustainability
- Engineering, Manufacturing, & Transportation
- Farm, Fish, & Food Manufacturing & Distribution
- Finance
- Government & Public Policy
- Healthcare, Medical Devices & Services, & Pharmaceuticals
- Law
- Nonprofit
- Publishing
- Teaching & Educational Institutions

### Possible Position Types
- Additional Training
- Administration
- Consulting
- Counseling
- Design
- Development
- Education
- Engineering
- Faculty
- Finance
- Information Technology
- Medical Professional
- Outreach
- Postdoc
- Practice/Performance
- Purchasing
- Research
- Sales
- Student
- Teaching
- Writing/Creative
- Other

Placement information is captured by the TGS Career Outcomes 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 subsequent placements since graduation. This summary presents the placement information TGS has captured on graduates’ first placements, including temporary positions.

In Summer Quarter 2015, TGS began a transition to a new Career Outcomes Database. Position types and sectors may not necessarily align with placement categories from previous years. These new sectors help to more accurately track career placements outside of the traditional academic path.

## Category Definitions

### Career Sector/Industry
Refers to the primary purpose of the organization (e.g. an engineer working for an energy company would indicate "Energy & Sustainability," not "Engineering").

### Position Type
Refers to the day-to-day work of the graduate (e.g. working in Information Technology at a law firm).

### Organization
Name of employer.

Source: TGS Career Outcomes Database

As of 3/22/16
Sectors of Known First Position for Graduates of Physical Sciences, Mathematics, and Engineering

- Academia: 48%
- Computer Science, Information, & Internet Technology: 12%
- All Other Sectors: 40%

Source: TGS Career Outcomes Database

n = 1503

As of 3/22/16
Top Employers (by Sector) of Known First Position in Physical Sciences, Mathematics, and Engineering
Ten-Year Trend; Sorted by Frequency, then Alphabetically

<table>
<thead>
<tr>
<th>Academia</th>
<th>Computer Science, Information, &amp; Internet Technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northwestern University (172)</td>
<td>Intel (53)</td>
</tr>
<tr>
<td>Argonne National Laboratory (35)</td>
<td>Google, Inc. (12)</td>
</tr>
<tr>
<td>Massachusetts Institute of Technology (26)</td>
<td>IBM (12)</td>
</tr>
<tr>
<td>Harvard University (22)</td>
<td>Microsoft, Inc. (8)</td>
</tr>
<tr>
<td>University of California - Berkeley (17)</td>
<td>Qualcomm Inc. (5)</td>
</tr>
<tr>
<td>University of Chicago (16)</td>
<td>Samsung (5)</td>
</tr>
<tr>
<td>California Institute of Technology (14)</td>
<td>Amazon.com (3)</td>
</tr>
<tr>
<td>Johns Hopkins University (11)</td>
<td>Facebook (3)</td>
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<tr>
<td>Stanford University (11)</td>
<td>Motorola Inc. (3)</td>
</tr>
<tr>
<td>Columbia University (10)</td>
<td>Synopsys, Inc. (3)</td>
</tr>
<tr>
<td>University of Minnesota (9)</td>
<td>Yahoo! (3)</td>
</tr>
<tr>
<td>Princeton University (8)</td>
<td>ASML (2)</td>
</tr>
<tr>
<td>University of Illinois - Urbana-Champaign (8)</td>
<td>Binachip, Inc (2)</td>
</tr>
</tbody>
</table>

(#) = number of graduates at organization

Source: TGS Career Outcomes Database