PISA measures 15-year-old students' abilities to think critically and apply knowledge. The 2018 results indicated boys outperform girls in mathematics by an average of five points. In Malaysia, the opposite occurred; girls outperformed boys by seven points. In science, girls outperformed boys by an average of two points. In Turkey and Malaysia, girls scored more than six points higher than boys.

**STEM and Engineering Degrees Awarded to Women**

37.8% of STEM bachelor's degrees were awarded to women in 2020. Women of Color earned 16.6% of the total STEM degrees.

24.2% of bachelor's degrees in engineering were earned by women in 2020. Women of Color earned 9.6% of the total engineering degrees.

IN 2020 WOMEN RECEIVED:

- 27,700 Bachelor's Degrees
- 6,191 Master's Degrees
- 1,204 Doctoral Degrees

DEGREES IN ENGINEERING

Note: Degrees awarded in the 2019-2020 academic year
### Top 10 Engineering Degrees Awarded to Women: 2020

<table>
<thead>
<tr>
<th>Rank</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mechanical Engineering</td>
</tr>
<tr>
<td>2</td>
<td>Computer Science</td>
</tr>
<tr>
<td>3</td>
<td>Chemical Engineering</td>
</tr>
<tr>
<td>4</td>
<td>Biomedical Engineering</td>
</tr>
<tr>
<td>5</td>
<td>Civil Engineering</td>
</tr>
<tr>
<td>6</td>
<td>Industrial/Manufacturing/Systems Eng.</td>
</tr>
<tr>
<td>7</td>
<td>Electrical Engineering</td>
</tr>
<tr>
<td>8</td>
<td>Computer Engineering</td>
</tr>
<tr>
<td>9</td>
<td>Electrical/Computer Engineering</td>
</tr>
<tr>
<td>10</td>
<td>Aerospace Engineering</td>
</tr>
</tbody>
</table>

### Women in the Engineering Workforce

#### Global Gender Employment Gap

<table>
<thead>
<tr>
<th>Country</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA</td>
<td>14%</td>
</tr>
<tr>
<td>Australia</td>
<td>19%</td>
</tr>
<tr>
<td>Brazil</td>
<td>11%</td>
</tr>
<tr>
<td>India</td>
<td>20%</td>
</tr>
<tr>
<td>Canada</td>
<td>16%</td>
</tr>
<tr>
<td>UK</td>
<td>14%</td>
</tr>
</tbody>
</table>

15% of the global engineering workforce was comprised of women in 2020.

#### Workforce Sentiment

Women who **LEAVE** engineering have lower levels of satisfaction and commitment than women who stay in the field.

Additionally, managerial support for work-family balance and professional development opportunities are essential for women who **STAY** in engineering professions.

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**SOURCES:**