Trend Analysis for Minorities in Computer Science

Data Source IPEDS /NCES and CRA Taulbee

June 2012
Underrepresented Ethnicities – Associate’s Degrees (2000-2009)

# of Degrees

American Indian or Alaska Native
Black, Non-Hispanic
Hispanic

% of Total Degrees

American Indian or Alaska Native (NCES)
Black, Non-Hispanic (NCES)
Hispanic (NCES)

Underrepresented Ethnicities – Bachelor’s Degrees (2000-2009)

# of Degrees

% of Total Degrees

Underrepresented Ethnicities – Bachelor’s Degrees (2000-2009)

% of Total Degrees

Sources: WebCASPAR using IPEDS/NCES data by Race/Ethnicity for Academic Discipline = Computer Science and Taulbee Survey for CS only.
Underrepresented Ethnicities – Master’s Degrees (2000-2009)

Underrepresented Ethnicities – Master’s Degrees (2000-2009)

% of Total Degrees

Sources: WebCASPAR using IPEDS/NCES data by Race/Ethnicity for Academic Discipline = Computer Science and Taulbee Survey for CS only.

# of Degrees

<table>
<thead>
<tr>
<th>Year</th>
<th>American Indian or Alaska Native</th>
<th>Black, Non-Hispanic</th>
<th>Hispanic</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>0.00</td>
<td>1.93</td>
<td>0.00</td>
</tr>
<tr>
<td>2001</td>
<td>1.17</td>
<td>1.63</td>
<td>0.13</td>
</tr>
<tr>
<td>2002</td>
<td>2.53</td>
<td>2.80</td>
<td>0.13</td>
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<tr>
<td>2003</td>
<td>1.35</td>
<td>2.08</td>
<td>0.12</td>
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<tr>
<td>2004</td>
<td>1.52</td>
<td>1.98</td>
<td>0.11</td>
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<tr>
<td>2005</td>
<td>1.69</td>
<td>1.69</td>
<td>0.00</td>
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<tr>
<td>2006</td>
<td>1.48</td>
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<td>0.42</td>
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<tr>
<td>2007</td>
<td>1.06</td>
<td>1.88</td>
<td>0.19</td>
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<tr>
<td>2008</td>
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<td>0.00</td>
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<tr>
<td>2009</td>
<td>1.35</td>
<td>1.97</td>
<td>0.21</td>
</tr>
</tbody>
</table>

% of Total Degrees


% of Total Degrees

Sources: WebCASPAR using IPEDS/NCES data by Race/Ethnicity for Academic Discipline = Computer Science and Taulbee Survey for CS only.
Gender Breakdown - American Indian Associate’s Degrees (2000-2009)

Gender Breakdown - American Indian Bachelor’s Degrees (2000-2009)

Gender Breakdown - American Indian Master’s Degrees (2000-2009)

Gender Breakdown - American Indian Doctoral Degrees (2000-2009)

Gender Breakdown - Black Associate’s Degrees (2000-2009)

Gender Breakdown - Black Bachelor’s Degrees (2000-2009)

Gender Breakdown - Black Master’s Degrees (2000-2009)

# of Degrees

Gender Breakdown - Black Doctoral Degrees (2000-2009)

Gender Breakdown - Hispanic Associate’s Degrees (2000-2009)

# of Degrees

Gender Breakdown - Hispanic Bachelor’s Degrees (2000-2009)

# of Degrees

Gender Breakdown - Hispanic Master’s Degrees (2000-2009)

Gender Breakdown - Hispanic Doctoral Degrees (2000-2009)

American Indian or Alaska Native 2%
Asian or Pacific Islander 7%
Black, Non-Hispanic 17%
Hispanic 11%
Other/Unknown Temporary Resident 2%
Other/Unknown Races & Ethnicities 3%

Female 42%

White, Non-Hispanic 58%

Male 58%

Associate’s Degrees – Female/Minority Composition (2005)

- Female: 29%
- Male: 71%
- Asian or Pacific Islander: 5%
- American Indian or Alaska Native: 2%
- Black, Non-Hispanic: 21%
- Hispanic: 11%
- White, Non-Hispanic: 52%
- Other/Unknown Races & Ethnicities: 6%
- Temporary Resident: 3%

Associate’s Degrees – Female/Minority Composition (2009)

- Female: 25%
- Male: 75%
- White, Non-Hispanic: 54%
- Black, Non-Hispanic: 21%
- Hispanic: 9%
- Other/Unknown Races & Ethnicities: 9%
- Asian or Pacific Islander: 4%
- American Indian or Alaska Native: 1%
- Temporary Resident: 2%

Bachelor’s Degrees – Female/Minority Composition (2000)

- Female: 28%
- Male: 72%

- White, Non-Hispanic: 47%
- Black, Non-Hispanic: 16%
- Hispanic: 7%
- Temporary Resident: 9%
- Other/Unknown Races & Ethnicities: 4%
- Asian or Pacific Islander: 17%
- American Indian or Alaska Native: 0%

Bachelor’s Degrees – Female/Minority Composition (2005)

- Male: 78%
- Female: 22%

- White, Non-Hispanic: 41%
- Black, Non-Hispanic: 20%
- Hispanic: 8%
- Asian or Pacific Islander: 13%
- Other/Unknown Races & Ethnicities: 9%
- Temporary Resident: 8%
- American Indian or Alaska Native: 1%

Bachelor’s Degrees – Female/Minority Composition (2009)

- Female: 18%
- Male: 82%

- White, Non-Hispanic: 46%
- Black, Non-Hispanic: 19%
- Hispanic: 9%
- Other/Unknown Races & Ethnicities: 11%
- Asian or Pacific Islander: 8%
- American Indian or Alaska Native: 1%
- Temporary Resident: 6%
- Other/Race Not Reported: 11%

Master’s Degrees – Female/Minority Composition (2000)

- Female: 33%
- Male: 67%
- White, Non-Hispanic: 24%
- Black, Non-Hispanic: 6%
- Hispanic: 2%
- Other/Unknown Races & Ethnicities: 4%
- American Indian or Alaska Native: 0%
- Asian or Pacific Islander: 17%
- Temporary Resident: 47%

Master’s Degrees – Female/Minority Composition (2005)

- Female: 29%
- Male: 71%
- White, Non-Hispanic: 25%
- Asian or Pacific Islander: 16%
- Black, Non-Hispanic: 7%
- Hispanic: 3%
- Temporary Resident: 42%
- American Indian or Alaska Native: 0%
- Other/Unknown Races & Ethnicities: 7%

Master’s Degrees – Female/Minority Composition (2009)

Female 27%

Male 73%

White, Non-Hispanic 22%

Asian or Pacific Islander 10%

Black, Non-Hispanic 7%

Hispanic 3%

Other/Unknown Races & Ethnicities 8%

Temporary Resident 50%

American Indian or Alaska Native 0%

Other/Races & Ethnicities

Doctoral Degrees – Female/Minority Composition (2000)

Doctoral Degrees – Female/Minority Composition (2005)

Female 19%
Male 81%

White, Non-Hispanic 28%
Other/Unknown Races & Ethnicities 7%
Asian or Pacific Islander 7%
Black, Non-Hispanic 4%
Hispanic 2%
American Indian or Alaska Native 0%
Temporary Resident 52%

Doctoral Degrees – Female/Minority Composition (2009)

Female 22%

Male 78%

American Indian or Alaska Native 0%

Asian or Pacific Islander 9%

Black, Non-Hispanic 3%

Hispanic 1%

Other/Unknown Races & Ethnicities 7%

White, Non-Hispanic 31%

Temporary Resident 49%