A Glance at Disturbing Trends in STEM Education for Minorities
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The % of BSc. degrees in engineering awarded to black students declined from 3.3% in 1995 to 2.5% in 2005.

African Americans, Latinos, & Native Americans are ~30% of the overall undergraduate population in the US, but receive only ~12% of the degrees awarded in engineering.

Of the 68,000 BSc. degrees in engineering awarded in the US in 2006; 8,500 were to under-represented minorities;
STEM STATISTICS – GRADUATE\textsuperscript{1,2}

\begin{itemize}
  \item Of 6,404 PhDs in engineering awarded in 2006, 100 went to African American students; 98 went to Latinos and 9 went to Native Americans and Alaska Natives;
  \item Of these doctoral degree recipients, 55 were women;
  \item Women of all ethnic backgrounds account for less than 20\% of the engineering degree recipients at every level
\end{itemize}
US SCIENCE & ENGINEERING WORKFORCE

- Employment in S&E occupations will increase at ~ double the growth rate for all occupations through 2014
  - ~73% of projected increase is in computer-related jobs
- African Americans, Hispanics and Native Americans/Alaskans made up only 10% of degreed individuals working in S&E occupations – but make up 13% of the total college graduates
  - African Americans were ~4% of computer scientists and mathematicians, 3% of physical scientists and engineers and 2% of life scientists
  - Hispanics were about 2.5-4% of each S&E field
- Asians/Pacific Islanders were about 5% of the U.S. population, but accounted for 7% of college graduates and 14% of degreed individuals employed in S&E occupations
REFERENCES

