

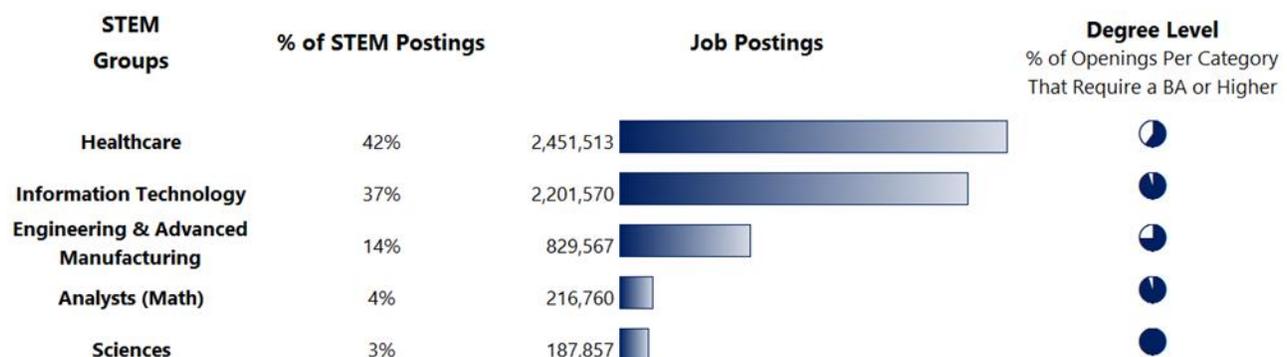
SUMMARY: REAL-TIME INSIGHT INTO THE MARKET FOR ENTRY-LEVEL STEM JOBS

Burning Glass Technologies, a Boston-based labor market analytics firm, has conducted an analysis of STEM job postings in 2013. The research reveals that the demand for STEM talent is significantly greater than commonly reported, and the supply of STEM college graduates continues to lag far behind employer STEM talent needs.

KEY FINDINGS

- In 2013, there were 5.7 million total postings in STEM fields. Of those, 76%, or 4.4 million, require at least a bachelor's degree, and 41%, or 2.3 million, are entry-level jobs requiring less than 2 years of experience.
- 48% of all entry-level jobs requiring a bachelor's degree or higher (BA+) are in STEM fields, while only 29% of bachelor's degree graduates earn a STEM degree. At the sub-baccalaureate level (Sub-BA), 24% of entry-level jobs are in STEM fields, while 32% of Sub-BA degrees are in STEM concentrations.
- There are **2.5 entry-level job postings for each new 4-year graduate in STEM fields** compared to **1.1 postings for each new BA graduate in non-STEM fields**.
- STEM jobs offer a substantial salary premium. The advertised salary for entry-level STEM jobs requiring a BA or higher is \$66,123 compared to \$52,299 for non-STEM jobs. This difference of approximately \$14,000 represents a 26% premium. At the Sub-BA level, the average entry-level salary is \$47,856 for STEM jobs and \$37,424 for non-STEM jobs. This difference of over \$10,000 represents a 28% premium.

TOTAL STEM JOBS BY CAREER AREA



ANALYSIS

This report highlights a critical mismatch between the degrees students receive and the entry-level jobs available for those students upon graduation. At the BA level, students in STEM fields see far stronger opportunities upon graduation than their non-STEM counterparts, both in terms of job availability and starting salaries. Robust opportunities exist across a range of STEM fields. While pure sciences offer the fewest number of job opportunities, science graduates can find strong job prospects in more applied STEM areas such as healthcare (for life sciences majors) and IT (for graduates who developed strong programming skills).

At the Sub-BA level, which accounts for a far smaller portion of overall STEM demand, the supply of graduates and number of available jobs are in closer alignment. STEM opportunities at the Sub-BA level are in a far more limited range of fields, with the largest concentration in healthcare (79% of STEM jobs).

FOR MORE DETAILS

To read the full report visit www.burning-glass.com/stem or scan the link below.



ABOUT BURNING GLASS

Burning Glass's tools and data are playing a growing role in informing the global conversation on education and the workforce by providing researchers, policy makers, educators, and employers with detailed real-time awareness into skill gaps and labor market demand. Burning Glass's job seeker applications power several government workforce systems and have been shown to have substantive impact on reemployment outcomes and on labor market literacy.

With headquarters in Boston's historic Faneuil Hall, Burning Glass is proud to serve a client base that spans six continents, including education institutions, government workforce agencies, academic research centers, global recruitment and staffing agencies, major employers, and leading job boards. Visit us at www.burning-glass.com.