**Bureau of Labor Statistics**

**Job Projection for**

**Computer Fields 2012 – 2022**

**Selected STEM Occupations with Many Job Openings, Projected 2012-22**

BLS Projects overall STEM employment to grow about 13 percent between 2012 and 2022. This is faster than the 11-percent rate of growth projected for all occupations over the decade.

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| --- | --- | --- | --- | --- | --- |
| **Occupation** | **Jobs projected 2012-22** | **Employment** | | **Median annual wage, 2013** | **typical entry-level education 1** |
| **2012** | **Projected 2022** |
| Software Developers, Applications | 218,500 | 613,000 | 752,900 | $92,660 | Bachelor’s degree |
| Computer Systems Analysts | 209,600 | 520,600 | 640,400 | 81,190 | Bachelor’s degree |
| Computer User Support Specialists | 196,900 | 547,700 | 658,500 | 46,620 | Some college,  no degree |
| Software Developers, Systems Software | 134,700 | 405,000 | 487,800 | 101,410 | Bachelor’s degree |
| Computer Programmers | 118,100 | 343,700 | 372,100 | 76,140 | Bachelor’s degree |
| Network & Computer Administrators | 100,500 | 336,400 | 409,400 | I74,000 | Bachelor’s degree |
| Computer & Information Managers 2 | 97,100 | 332,700 | 383,600 | 123,950 | Bachelor’s degree |
| Web Developers | 50,700 | 141,400 | 169,900 | 63,160 | Associate’s degree |
| Computer Network Architects 2 | 43,500 | 143,400 | 164,300 | 95,380 | Bachelor’s degree |

**Selected STEM Occupations with Fast Employment Growth, Projected 2012-22**

STEM occupations are projected to grow faster than the average for all occupations. Some of these occupation are in technology; others are related to math and engineering. High-employment, fast growth occupations include computer systems analysts, applications software developers, and systems software developers.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Occupation** | **Employment growth, projected 2012-22 (percent)** | **Employment** | | **Median annual wage, May 2013** | **Typical entry-level educaton1** |
| **2013** | **Projected 2022** |
| Information Security Analysts 2 | 37% | 75,100 | 102,500 | 88,590 | Bachelor’s degree |
| Computer Systems Analysts | 25% | 520,600 | 648,400 | 81,190 | Bachelor’s degree |
| Applications Developers | 23% | 613,000 | 725,900 | 92,660 | Bachelor’s degree |
| Systems Developers | 20% | 405,000 | 487,800 | 101,401 | Bachelor’s degree |
| Computer Support specialists 3 | 20% | 547,700 | 658,500 | 46,620 | Some college, no degree |
| Web Developers | 20% | 141,400 | 169,900 | 63,160 | Associate’s degree |

1 Unless otherwise specified, occupations typically require neither work experience in a related occupation nor on-the-job training to obtain competency.

2 In addition to the education specified, this occupation typically requires 5 years or more of work experience in a related occupation.

Selected STEM Occupations with fast employment growth, projected 2012-22

3 In addition to the education specified, this occupation typically requires moderate-term on-the-job training for workers to obtain competency.

Source: U.S. Bureau of Labor Statistics, Employment Projections program (employment, projections, and education data) and Occupational Employment Statistics survey (wage data). https://www.bls.gov/careeroutlook/2014/spring/art01.pdf