



Computer Programming

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Work Conditions

Most programmer normally work alone, but for larger projects they work together. But since code can be written anywhere many programmers telecommute.



Knowledge, Skills, Abilities

Knowledge - Computers and Electronics, English Language, Mathematics, Customer and Personal Service , Administration and Management.

Skills - Programming, Reading Comprehension, Complex Problem Solving, Critical Thinking, Active Thinking.

Abilities - Written Comprehension, Information Ordering, Near Vision, Oral Comprehension, Deductive Reasoning



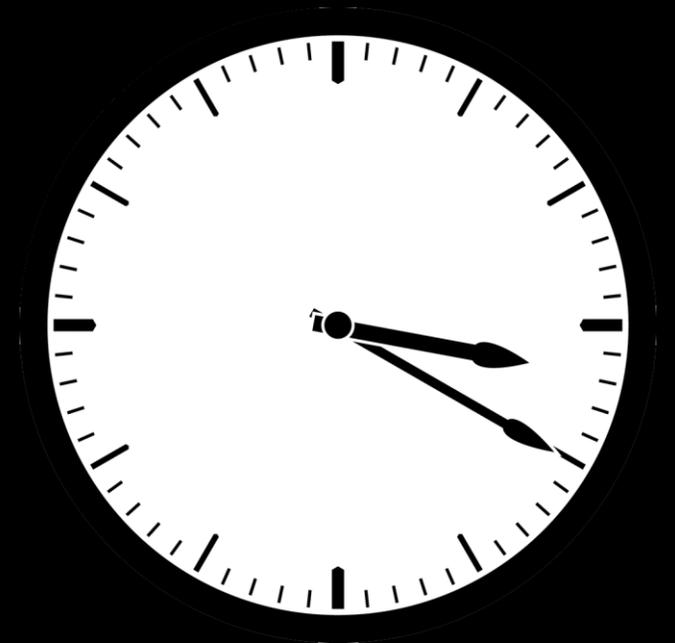
Education/training skills needed

Most computer programmers have a bachelor's degree; however, some employers hire workers with an associate's degree. Most programmers specialize in a few programming languages.



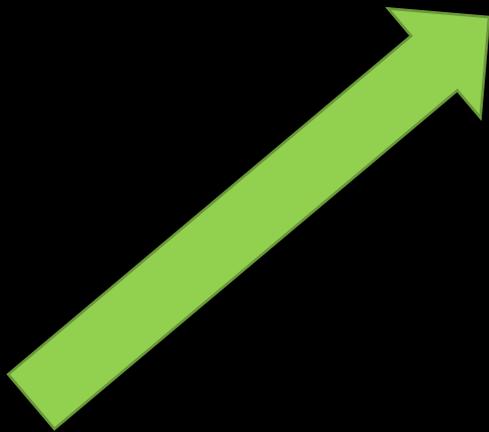
Typical hours worked

Most computer programmer work full time which is about 40 hours and often work on weekends to solve technical problems. 4 percent of computer programs work part compared to 15 percent from other industries.



Job Outlook

The projected job growth is average at 8% to 14% for 2012 to 2022.
The estimated job hiring's is 118,100.



Pay

Computer programmers usually make \$37.29 hourly and normally make \$77,550 yearly.



Advancement Opportunities

After gaining experience, a computer programmer may be promoted to a managerial position. One with business experience may become a programmer-analyst or systems analyst. Specialized knowledge and experience with a language or operating system can lead to a computer programmer becoming a software developer.



Fun Facts

Ada Lovelace is often considered to be the world's first computer programmer. In 1833, she met the brilliant British mathematician Charles Babbage with whom she became lifelong friends. Ada was highly intrigued with his idea for an "Analytical Engine" -- a mechanical calculating machine whose design predated the digital computer by over 100 years.



**Thanks for
watching!**

Links to sites I used

- <http://www.bls.gov/ooh/computer-and-information-technology/computer-programmers.htm#tab-1>
- <http://www.onetonline.org/link/summary/15-1131.00>
- <http://www.careerprofiles.info/computer-programmer-career.html>
- http://www.huffingtonpost.com/bobby-azarian/9-neat-facts-about-the-ada-lovelace_b_6682892.html