



Education Path

Learn about the education track needed to become a Software Programmer.



In School

- 10+2 with good marks. It is ideal if you have Maths, Physics and Chemistry as your subjects. It is useful to have gained exposure to computers in school but not essential



Entrance Exams

- A Bachelors of Technology (B.Tech) or Bachelors in Engineering (B.E) with a specialization in Computer Science/IT is the most traditional route to a software programming job
- To get into engineering students typically need to sit for entrance exams such as IIT-JEE, BITSAT and various state-level engineering examinations
- A degree in any other stream of engineering is generally acceptable to large IT firms with entry-level training facilities
- A Bachelor of Computer Applications (BCA) is an alternative under graduate route where admissions typically depends on high school scores
- Diploma programmes from computer education institutes like NIIT also usually do not have entrance exams



In College

Typical Path

- Engineering degree in Computer science or IT
- Duration: 4 years to get a B.Tech/B.E. Computer Science or IT

Alternative Path

- A BCA degree followed by MCA generally improves job prospects
- Duration: 3+3 Years BCA + MCA
- Other diploma and certificate courses by NIIT, DOEACC, etc range from 3 month (full-time) to 4 years (part-time)

Required Experience

- While freshers can gain entry into software roles without prior experience, it helps in interviews to have at least 6 months of internship experience



Working/Looking for a Job

- Software programmers must continuously upgrade their technical skills and gain relevant certifications for professional growth
- Courses in Personality Development and English are useful to securing better paying, client-facing roles

Job Prospects

- IT giants like Microsoft, Google, Adobe, Satyam, Infosys, TCS, etc.
- Wide range of job profiles to choose from - Development, Testing, Support, Networking, Security, etc.
- Number of jobs in government due to implementation of ICT
- Explore avenues to own a start-up and offer IT services

Successful Woman Role Model



Ruchi Sangvi

1st Female engineer of Facebook Inc.,
VP of Dropbox

Subjects you will study

- Programming concepts
- Computer Science basics
- Databases
- Operating Systems

Software Programmer - Overview

Bill Gates (Microsoft), Mark Zuckerberg (Facebook), Narayan Murthy (Infosys) and Azim Premji (Wipro) are founders of some of the most valuable software programming companies globally. These industry leaders have inspired millions to take up programming careers.

A career in software can give you rapid growth, both in terms of money and responsibility because the sector is expanding rapidly. According to the National Association of Software and Services Companies (NASSCOM), the Indian software industry grew from a mere \$150 million in 1991-92 to a staggering US\$5.7 million in 1999-2000.