

Requirement 6. Careers. Find out about three career opportunities that require knowledge in programming. Pick one and find out the education, training, and experience required. Discuss this with your counselor and explain why this career might be of interest to you.

Knowledge of programming can be central to a career or supportive of a seemingly unrelated career. Jobs with titles such as Software Engineer and Web Developer will focus on programming activities. Jobs such as Database Developer, Security Analyst, or Design Technologist will mix programming with other problem solving. And many jobs in engineering, manufacturing, and the sciences will have some programming aspects. Today, any job in the math or sciences field will involve some amount of programming.

Variety of jobs for Computer Scientists

<https://youtu.be/2VpDcjFshJI?si=AnLILwq2YDhO3uE->

Software Engineer

<https://youtu.be/RfbbDgx6l1g?si=vjMClnaQhmijV98p>

Design Technologist

<https://youtu.be/dhvQ7L5UScs?si=c06ms7ZLDoRvBxBW>

9 Computer Coding Careers

<https://www.rasmussen.edu/degrees/technology/blog/programming-careers-for-coding-connoisseurs/>

Education Required to Become a Computer Programmer

<https://www.wgu.edu/career-guide/information-technology/computer-programmer-career.html>

What you need to know to become a Computer Programmer

<https://www.youtube.com/watch?v=egRio4VduMw>