

CAREER FUNNEL

The final section of the report, career funnel, is based on the technique coined by the US Department of Education to group similar occupations and industries. In total, there are 16 Career Clusters in the Framework, representing more than 79 Career Pathways to help students navigate their way to greater success in college and career.

As an organizing tool for curriculum design and instruction, Career Clusters provide the essential knowledge and skills for the 16 Career Clusters and their Career Pathways. It also functions as a useful guide in developing programs of study bridging secondary and postsecondary curriculum and for creating individual student plans of study for a complete range of career options. As such, it helps students discover their interests and their passions, and empowers them to choose the educational pathway that can lead to success in high school, college and career.

According to the detailed analysis, **INFORMATION TECHNOLOGY** is your major career cluster. However, there are a few more clusters in which you have shown your inclination and your counselor can guide you on all the other possible options. Jobs in the information technology career cluster involve the design, development, support, and management of hardware, software multimedia, and systems integration services.

Career Pathways in Information Technology

A career pathway is an area of concentration within a career cluster. Each pathway contains a group of careers requiring similar academic and technical skills as well as similar industry certifications or postsecondary education. The information technology career cluster has four pathways: information support and services, programming and software development, network systems, and interactive media.

- **Information Support and Services:** This is the largest pathway in IT, and it involves analyzing users' requirements in detail, selecting the best possible solution, writing specifications, and obtaining the necessary hardware.
- **Programming and Software Development:** People in this pathway design, develop, and produce computer software.
- **Network Systems:** This pathway includes the workers who establish and maintain links between computers, either within a single office, or across the World Wide Web. Jobs include systems engineer, network support specialist, network engineer, etc.
- **Interactive Media:** Workers in this pathway create computer applications and content based on interactive media technology.