



What is the Information Technology Career Cluster?

IT careers involve the design, development, support and management of hardware, software, multimedia and systems integration services. The IT industry is a dynamic and entrepreneurial working environment that has a revolutionary impact on the economy and society. In addition to careers in the IT industry, IT careers are available in every sector of the economy—from Financial Services to Medical Services, from Business to Engineering and Environmental Services.

Anyone preparing for an IT career should have a solid grounding in math and science.

Possible/Related Careers for the Information Technology Career Cluster

There are a variety of careers related to the Information Technology Career Cluster, including but not limited to the following examples:

- Computer Animator
- Computer Programmer
- Database Administrator
- Desktop Publisher
- E-Business Consultant
- Electrical Engineer
- Network Security Analyst
- Web Page Designer

Possible/Related Majors for the Information Technology Career Cluster

There are an increasing number of college majors related to the Information Technology Career Cluster, and among the most common are:

- Computer & Information Sciences
- Computer Engineering
- Computer Science
- Digital Arts
- Information Technology
- Network & System Administration

Related OLCHS Co-Curricular Activities for the Information Technology Career Cluster

OLCHS students are encouraged to participate in co-curricular activities. Some related to the Information Technology Career Cluster are:

- Mathletes
- Spartanite Newspaper
- Pegasus Magazine
- STEM Club
- Shield Yearbook
- Visual Arts

Related Service Learning Sites for the Information Technology Career Cluster

OLCHS students are required to earn service learning hours in order to graduate. Some volunteer sites related to the Information Technology Career Cluster are:

Name	Location
Village of Oak Lawn e-Waste Program	5532 W. 98 th St., Oak Lawn
Oak Lawn Public Library	9427 Raymond Ave., Oak Lawn

Aligned Elective Courses for the Information Technology Career Cluster

Although required courses align with all 16 Career Clusters, students *must* take these courses in order to graduate from OLCHS. Therefore, they are not included below.

Students are encouraged to customize their 4-year plan with specific courses, related prerequisite courses and related career information on Career Cruising.

This guide is intended to provide general information related to career interest areas. It does not imply any guaranteed acceptance into a program of study. Students and families should carefully review post-secondary goals and entrance requirements for all post-secondary institutions of interest. Students and families are encouraged to use this as a supplemental guide during their planning.

Department and Elective Courses	9	10	11	12
Art				
Photography 1		X	X	X
Photography 2: Digital or Studio		X	X	X
Business				
Google It	X	X	X	X
Microsoft Office Applications	X	X	X	X
Mobile Apps Development	X	X	X	X
Web Design	X	X	X	X
Mobile Apps II		X	X	X
Foreign Language				
French or French Honors	X	X	X	X
Spanish or Spanish Honors	X	X	X	X
Spanish for Heritage Speakers	X	X	X	X
Industrial Technology				
Electricity & Electronics I	X	X	X	X
Electricity & Electronics II	X	X	X	X
Graphic Design 1	X	X	X	X
PLTW: Introduction to Engineering Design	X	X	X	X
Computer Servicing I		X	X	X
Computer Servicing II		X	X	X
Graphic Design 2		X	X	X
PLTW: Principles of Engineering		X	X	X
Computers Independent Study			X	X
Graphic Design Productions			X	X
PLTW: Engineering Design & Development			X	X
Graphic Design Independent Study				X
Math				
AP Computer Science Principles*	X	X	X	X
AP Statistics*				X
Music				
Music Technology	X	X	X	X
Social Science				
Law in American Society			X	X
Psychology			X	X
AP Psychology*			X	X
Career Exploration				
Technology Support Internship		X	X	X

**The Federal Career Clusters framework recommends students enroll in Advanced Placement and/or Dual Credit courses when available and relevant.*