

What is information technology (IT)?

Information technology is the use of hardware and software to create, process, store, secure and exchange all forms of electronic data. The end goal of using Information Technology is to improve business operations and our personal lives!

Careers in IT:

IT jobs are in high demand, in Dayton and all around the nation!



work with data

Data Analytics is a growing space in IT! Become a Data Analyst, Data Scientist, or Data Architect and use data to help businesses improve!



keep it secure

Cybersecurity is becoming more important every day! With bad hackers stealing from businesses, security professionals work against the bad guys to protect the important things!

Have you heard of coding? With the use of coding, developers make things like websites or apps for phones!



make an app



Engineers are the designers and builders in IT! Hardware engineers build the pieces you can touch where software engineers build the programs that make the hardware come to life!

help people fix things



In IT support, you use your problem solving skills and knowledge of technology to help people fix their computers or programs!

team captain



IT Managers are the Team Leaders. After years of practice in IT, you can become a manager and oversee the IT needs of an organization!

This sounds cool! Now what?

High School Programs

STEM Education

Show your interest in STEM (Science, Technology, Engineering, and Mathematics)!! Many High Schools in the Dayton region have STEM or Career Technology programs

High School programs such as...

- Alter High School
- Centerville High School
- Chaminade Julianne Catholic High School
- Dayton Public Schools
- Dayton Regional STEM School
- Eaton High School
- Franklin High School
- Greene County Career Center
- Greenville High School
- Kettering-Fairmont High School
- Miami Valley Career Technology Center
- Miamisburg High School
- Oakwood High School
- Springfield-Clark Career Tech Center
- Stebbins High School
- Wayne High School
- ...and more!

Ask your schools about:
Career Fairs, Coding Camps, Internships,
Power Lunches, Robotics Challenges

Also check your local libraries, churches, and cities for programs near you!

Dayton libraries: www.daytonmetrolibrary.org
Greater Dayton YMCA: www.daytonymca.org

Internship Resources

SOCHE Internships

SOCHE collaborates with K-12 schools and employers, inspiring students to explore and pursue the variety of careers available in Ohio www.soche.org/engage

Montgomery County Youth Career Services

Youth Career Services 365 educates and improves the lives of young people, in-school students, from age 14 through graduation, in Montgomery County. The work experience nurtures the growth of workplace skills, preparing you for a successful career www.thejobcenter.org/youth

Bootcamps

Kable Academy

Want a fast track into IT? Kable Academy offers 12 and 24 week tech bootcamps to students straight out of high school in Web Development, Cybersecurity, IT Support, and Network Support. Their bootcamps include a Certification and Professional Job Assistance all at little to no cost to you. www.kableacademy.com/classes

Get a Degree or Certificate in IT!

Most careers in IT require certificates and degrees in different areas of technology

Higher Education

Colleges have a lot to offer to prepare you to work in IT. Many IT professionals earn 2-year, 4-year, and Graduate degrees as well as complete Certificates before starting their careers

Degrees such as...

- Automation & Control Technology
- Computer Science
- Cybersecurity
- Data Science
- Engineering: Computer, Electrical, Mechanical or Software
- Management Information Systems (MIS)

From colleges such as...

- Cedarville University
- Central State University
- Cincinnati State
- Clark State Community College
- Sinclair Community College
- University of Dayton
- Wittenberg University
- Wright State University

Get a Head Start!

Did you know you can earn certificates during high school through some of the Career Tech Programs? It's true!