



STEM Career Pathway: Information Technology

Explore High-Demand Careers in Information Technology (IT)

Are you interested in solving problems, working with computers, and staying ahead of technology trends? The IT field offers diverse career opportunities with strong job growth and earning potential!

Careers in IT

- ✓ **Software Developer** – Designs and builds applications for various industries
- ✓ **Cybersecurity Analyst** – Protects organizations from cyber threats
- ✓ **Network Administrator** – Maintains computer networks and systems
- ✓ **Data Analyst** – Interprets data to help businesses make informed decisions
- 👉 *IT jobs exist in nearly every industry, from healthcare to finance to government!*

Ready to explore more?

Contact **Apprenticeship Missouri** at apprenticeship@dhewd.mo.gov to learn more about careers in information technology!

Apprenticeship & Training

- ✓ IT apprenticeships offer hands-on experience while earning a paycheck
- ✓ Industry-recognized certifications such as CompTIA, Cisco, AWS, or Microsoft boost job opportunities
- ✓ Many employers provide on-the-job training and tuition assistance

Key Skills for Success

- ✓ **Technical Skills:** Coding, networking, cybersecurity, cloud computing
- ✓ **Soft Skills:** Problem-solving, critical thinking, communication
- ✓ **Certifications or Degrees:** IT certifications, associate or bachelor's degree in computer science

How to Get Started

- ✓ Take computer science or coding courses in high school or college
- ✓ Earn industry certifications like CompTIA A+, AWS, or Cisco Certified Network Associate (CCNA)
- ✓ Apply for IT apprenticeships or internships
- ✓ Connect with local training programs and workforce development boards



Scan or [click here](#) to find a program of interest!

