

# INFORMATION TECHNOLOGY EDUCATION

## PROVIDING THE FOUNDATION FOR UTAH'S HIGH-TECH WORKFORCE

### Our mission:

Information Technology (IT) Education prepares students for employment and/or continuing education opportunities in the growing field of Information Technology in partnership with industry.

This is accomplished through technical instruction in the classroom, experiential education in the laboratory, student internships, and industry/skill certification. IT education programs also encourage and promote teamwork, lifelong learning, hands-on experience, ethical behavior, and communication skills.

### INFORMATION TECHNOLOGY PATHWAYS

The Utah Information Technology Education Pathways are based on the national skills standards, where applicable, and established state standards. By taking Information Technology Education courses, students obtain the advanced high-tech skills to successfully compete in the advancing technological world.

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, Business to Engineering and Environmental Services.

Below are the six Pathways in Information Technology Education:

- Information Support and Services
- Database Development and Administration
- Technical Support
  - Interactive Media
  - Digital Media (Multimedia)
  - Web Development and Administration
- Network Systems
- Programming/Software Development

### STUDENT LEADERSHIP ORGANIZATIONS

IT students who want to participate in a leadership organization choose between the following organizations, depending on what is available at their school:

- Future Business Leaders of America (FBLA)  
[www.fbla-pbl.org](http://www.fbla-pbl.org)
- SkillsUSA  
[www.skillsusa.org](http://www.skillsusa.org)
- Technology Student Association (TSA)  
[www.tsaweb.org](http://www.tsaweb.org)

### AREAS OF STUDY:

- Agriculture
- Business
- Family & Consumer Sciences
- Health Science
- Information Technology
- Marketing
- Skilled & Technical Sciences
- Technology & Engineering



### NATIONAL RECOGNITION

The Information Technology Education program has several state and national competitions in which students can participate. These include the following:

- FBLA State Competition
- IT Challenge
- SkillsUSA State Competition
- TSA State Competition
- Utah Multimedia Arts Festival

Utah high school students have been recognized for their excellence in computer skills and technology at national competitions.

Utah's IT Education program received a Partnership Award for Excellence from the Computer Training Industry Association (CompTIA) for its work in the development of IT programs.

### CAREER PREPARATION/ECONOMIC DEVELOPMENT

Each program in Information Technology Education is a sequence of courses that prepares individuals to apply technical knowledge and skills necessary to enter their chosen field of study and increase their earning potential while still in high school, and later as they pursue post-secondary education.

Last year 2,316 students were awarded a CTE Skill Certificate in Information Technology, indicating a high level of performance. In addition, 55 IT industry certificates were earned.

### STATE AND LOCAL PARTNERSHIPS

- Adobe
- Allen Academy of e-Learning
- Certiport
- Cisco®
- CompTIA™
- Intel®
- LearnKey
- Microsoft®
- Novell®
- Utah Technology Council (UTC)
- Women Tech Council

*Our vision is to see that every student interested in an IT career receives the academic knowledge and foundational technical skills needed to be successful in the IT career field of his or her choice and in post-secondary education.*

### FOR MORE INFORMATION:

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