

# What can you do with a major in Computer Information Systems Technology?

**Campus(s) program is offered: Marietta and North Metro Campuses**

**What are the most likely job titles one can expect to qualify for after completing this program?**

- Applications Junior Programmer
- Computer Programmer
- Computer Software Engineering Technician
- Computer Science Technician
- Computer Security Specialist
- Computer Service Technician
- Software Engineering Technician
- System Administrator
- Technical Salesperson
- Technical Support
- Technical Writer
- Webmaster
- Hardware Engineering Technician
- Network Specialist
- Communications Specialist

**What do students express as the thing they enjoy the most about this program?**

The opportunity to build something (computer program, web application, security policy, network) and get hands-on experience doing it.

**What is the least?**

It's hard work!

**What are some typical misconceptions about this program of study?**

Women are not good at it. Women are seriously under-represented in the computing field.

**What are some essential skills and abilities a student needs to have in order to be successful in program of study?**

In the CIST department we have four programs: Computer Programming, Web Applications Development, Networking and Information Security. All 4 areas require the following skills:

- Analytical
- Problem solving
- Diagnosing
- Troubleshooting
- Organizing/classifying
- Recognizing elements, relationships
- Reviewing/evaluating
- Coordinating work with others

- Decision making
- Attention to Detail
- Ability to follow instructions exactly

**Typical work activities/occupational functions:**

- Performing ambiguous or abstract tasks
- Working independently
- Collecting and organizing data
- Solving problems
- Writing new software/programs
- Testing and debugging programs
- Maintaining existing software/programs

**What additional training would you recommend for a student who wants to go to the next level in this field?**

Bachelor's degree. Perhaps Industry Certificate(s), depending on major. If Computing is not the "Poster Child" for life-long learning, I don't know what is.

**Do any of the occupational courses transfer easily?**

It depends on the receiving institution of course. Some courses will transfer into "elective" slots at the receiving institution's program. It works best when we have an articulation agreement such as the 2+2 program (Bachelors of Applied Science in IT, aka BASIT) at SPSU. In that particular case ALL the courses in our AAS programs are accepted.

**What are some common limitations, if any, in this program that students face?**

They are not prepared. Weak in critical reasoning and analytical skills.

**Are there any exams/certifications that a student needs to take after completing the courses? Are these exams/certifications offered on campus?**

This depends greatly on the particular program. In general there are few that a student would "have to have" to get a job. A+ for computer repair is probably the one that would be most needed. None offered at CTC.

**Possible employment settings:**

In almost every industry. Most work for large business and research organizations, governmental agencies, banks and insurance companies, public utilities, hospitals, retailers, manufacturing firms, and software development companies.

**Names of potential employers:**

- Endeavor
- Nexworks
- Bender Consulting Services
- Aventis Systems, Inc.
- Apto Solutions
- MARTA
- CNN

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