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## ACCELERATE PROGRAM SUMMARY

According to the Texas Labor Market Information from the Strategic Workforce Assessment Program, Computer User Support Specialist & Network Computer System Administrator positions require no degree. Employment projected growth (2014-2024) is faster than average jobs at 9% to 13%, with an expected job openings of 150,500.

**AUSTIN FREE- NET (AFN)** will provide training for 180 participant to obtain COMPTIA IT Fundamental, A+, and /or Network +, or Security + Certifications to become Computer User Support Specialist or Network Computer System Administrators. At the end of these courses, the student will be prepared to take the national exams for certification.

All participants will take the IT Fundamentals and the A+ certification courses. These courses serve as the foundation for the other computer certification training. Students interested in pursuing the Network Computer System Administrative position will continue their learning to complete the Network + and Security + course work. These certifications are the standard in establishing a successful career in the Information.

## Course Information

**CompTIA Network+ & Prep Test** is a **60 hour** course which prepares students to operate as system and network administrators and understand topics which include but are not limited to: media and topologies, protocols, standards, network implementation, and network support.

## COURSE OUTLINE

### **COMPTIA Network+ (Computer Networking) Certification (60 hours)**

The CompTIA Network+ course builds on your existing user-level knowledge and experience with personal computer operating systems and networks to present fundamental skills and concepts that you will use on the job in any type of networking career. If you are pursuing a CompTIA technical certification path, the

CompTIA A+ certification is an excellent first step to take before preparing for the CompTIA Network+ certification.

**Upon completion of this course, students will be able to:**

- Identify the basic components of network theory.
- Identify the major network communications methods.
- Identify network data delivery methods.
- List and describe network media and hardware components.
- Identify the major types of network implementations.
- Identify the components of a TCP/IP network implementation.
- Identify the major services deployed on TCP/IP networks.
- Identify the components of a LAN implementation.
- Identify the components of a WAN implementation.
- Identify major issues and technologies in network security.
- Identify the components of a remote network implementation.
- Identify major issues and technologies in disaster recovery.
- Identify major data storage technologies and implementations.
- Identify the primary network operating systems.
- Explore tools, methods, and techniques used in managing a network.
- Describe how to troubleshoot network issues.