

**COLLEGE TECH PREP****A+ Hardware and Microsoft Academy with Networking** 

This two-year College Tech Prep Initiative prepares students to earn the A+ Hardware Certification and the Microsoft Networking Certification. Learn the basics of personal computer hardware and operating systems with A+ Hardware Certification—the leading certification of the IT industry. Level II students will take part in the Microsoft Academy Networking Curriculum, which includes basic to advanced troubleshooting and installation of Local Area Networks (LAN) in the small to medium sized business environment, as well as training with Microsoft's Server Software. In this College Tech Prep pathway, A+ Certification and the Microsoft Networking Certification link directly to the Computer Maintenance and Networking Option associate's degree at The University of Akron, Summit College. A Credit Banking option is available at The University of Akron.

**Skills necessary for success**

- Ability to carry out detailed tasks and follow multi-part directions
- Organizational skills
- Ability to visualize completed projects
- Reading comprehension skills
- Ability to break down a problem and systematically check each part until a solution is found

**Areas of concentration**

- Networking and CPU's, DOS and Windows (98, 2000, NT, XP and ME) operating systems
- Motherboards, hard drives, RAM, videos
- Network analysis, design, installation and maintenance needed to manage a basic network for a small to medium-sized business
- Network building, maintenance and troubleshooting
- Local Area Network/Wide Area Network design

**Professional Pathway**

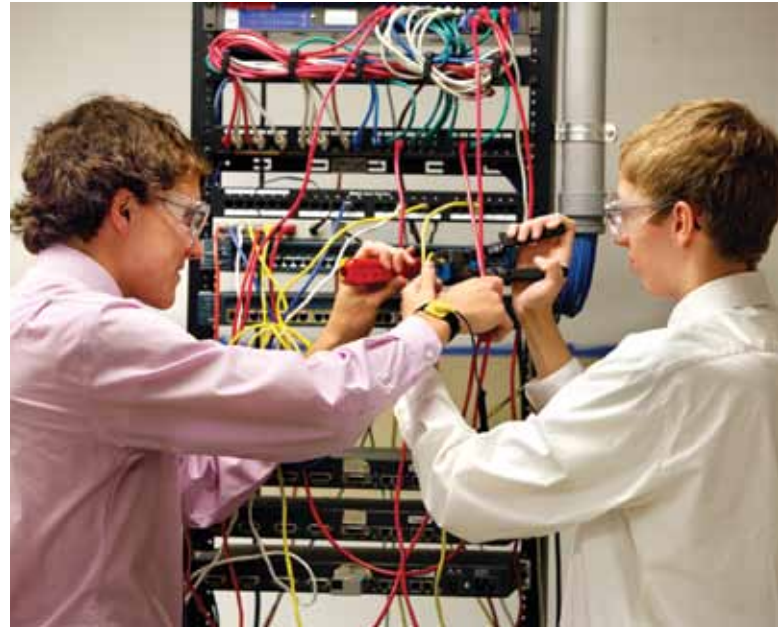
- PC Technician
- Network Administrator
- LAN Technician
- Database Software Technician

**Required-Prerequisites**

- Algebra I
- Geometry
- Keyboarding skills
- One college prep credit in science and English

**Program Recommendations**

- Average G.P.A. of 2.5 for Algebra I, Geometry, English and science for three previous semesters
- Average 95% attendance for three semesters
- Suggest taking Calculus, Chemistry, Physics and/or Trigonometry as a junior or senior

**Program Requirements**

- Excellent attendance record
- Minimum 2.5 GPA

**Licenses/Certification**

- CompTIA A+ Certification
- CompTIA Network+ Certification
- Cisco Networking Certification
- Microsoft Networking Certification

**Higher education opportunities**

- 12 college credits available at The University of Akron, Summit College. See page 32.
- Associate's degree
- Bachelor's degree

**GRADE LEVEL: 10,11,12****LENGTH: Two years****SCHOOL: Cuyahoga Falls****CREDIT:****Level I - Lab 2****Level II - Lab 2**