

HIT THE TECHNICAL HIGHWAY!

Ongoing developments in the computer industry are generating exciting new job opportunities every day. The proliferation of computer systems in the workplace has created a huge demand for people who can set up, repair, and maintain computers and their technological components. This course offers you the opportunity to achieve A+ certification, preparing you to enter the workforce! Come and explore all that our dynamic Computer Repair and Networking Program has to offer.

Advanced college/trade school credit is available to qualifying students from the following institutions:



COURSE TITLE: **COMPUTER REPAIR AND NETWORKING**

COURSE DESCRIPTION

This combined course is designed to prepare students with practical experiences and related theory leading to an entry-level position as a Computer Repair Technician. Students will learn how to use test equipment and software to troubleshoot and correct common personal computer problems. Students will receive the necessary instruction to prepare for the A+ Certification exam at the completion of Year 1. The A+ Certification is recognized industry-wide and represents six months of work-related experience. This course is also designed to give students core knowledge of information systems, development and project management. If students return for the second year of the program, they will prepare for the Network+ Certification.

COURSE CONTENT–Year 1

Basic Electricity	Network Cabling	Video Displays
Digital Electronics	Customer Service	Multimedia Hardware
Electronic Circuit Troubleshooting	Operating Systems	Preventive Maintenance
Microprocessor Fundamentals	System Boards	VR Headsets
Computer Hardware	Input/Output Devices	3D Printers
Hardware/Software Troubleshooting	Data Storage	Cloud Computers
Data Communications	Printer Servicing	

COURSE CONTENT–Year 2

Advanced PC Hardware
Advanced Networking
Low Voltage
Local Area Networks
Routers and Switches

EDUCATIONAL OPPORTUNITIES

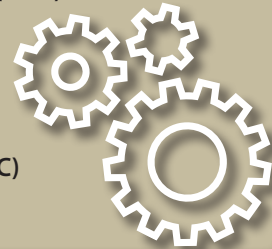
Advanced College Standing
Two-Year Technical College
Associate Degree or Certificate

CAREER OPPORTUNITIES

Computer Repair Technician
Bench Tester
Network Cable Technician
Technical Representative
Related Retail and Sales Positions
Security and SMCA Home Technician
Low Voltage Technician

Manufacturing Technology

- Welding/Metal Fabrication (MTC)
- Computer Science and App Development (BTC)
- Computer Repair and Networking(BTC)
- Introduction to Welding (ICC)



SUGGESTED SUPPORTIVE COURSES

Algebra, English

Students enrolling in this program are expected to show proficiency in math and Science by scoring a minimum of 75% on the Algebra Regents and a minimum of 75% on a Science Regents.

ADDITIONAL INFORMATION

COST	Tools \$75; OSHA certifications up to \$250; Comp TIA certifications up to \$450; ETA certification \$80; all fees are approximate
LENGTH OF COURSE.....	1 or 2 years
LOCATION	Gary D. Bixhorn Technical Center
CTE/ACADEMIC CREDIT	Please see chart on pages 4 and 5 for update details
INDUSTRY CERTIFICATIONS	First year: Comp TIA A+; OSHA-10; Test Out Second year: Network +; ETA Electronics Technician OSHA-30

