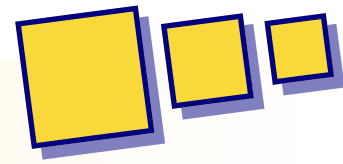


Information Technology



About the Course

Students in the IT program will gain knowledge that will lead them on the path to an IT Certification, whether that certification is an A+ Certification

(Computer Repair), a CCNA (Cisco Certified Networking Associated) or a RBT Systems Certification in Fiber Optic Cabling. This IT class will start with Computer Repair and move on to the more advanced Cisco (Networking) then on to Fiber Optic Cabling.



What students will learn...

Basic Topics

- ◆ Identify the components of a computer system and their operation.
- ◆ Install and configure a Windows Operating System.
- ◆ Error messages and POST error codes.



Advanced Topics

- ◆ Access Control Lists (ACLs)
- ◆ Subnet Masking
- ◆ Ethernet Switching
- ◆ Virtual LANs (VLANs)
- ◆ Preparation for the CCNA exam
- ◆ Hands-on Fiber Optic Cable Splicing



Computer Job Statistics

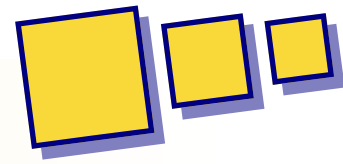
Eight out of ten of the fastest-growing occupations are computer-related. (Source: Bureau of Labor Statistics) While you might think of the typical IT worker as employed by a major software company or systems developer, the reality is that nine out of ten IT workers are found in banks, insurance companies, manufacturing plants or other non-IT businesses. (Source: ITAA 2003 IT Workforce Survey)

RBT Systems Inc.

Specializing in Technical Education



Information Technology



Prerequisites



This course is open to all high school students in the 10th grade or higher. Students must have completed at least one credit in mathematics and one credit in English.

Helpful Courses



- ◆ Computer Applications

Completion Incentives



Provides an overall computer and networking knowledge that would not only benefit in securing employment in this particular field but would also benefit in any occupation. This class would also assist students in their ability to maintain their home computers.

Personal Characteristics



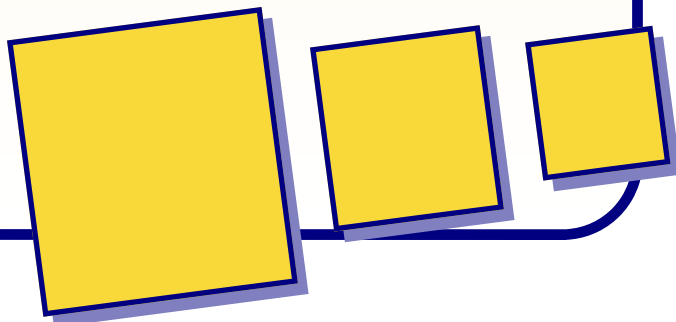
- ◆ Detail Oriented
- ◆ Good Spatial Visualization
- ◆ Fine Motor Skills
- ◆ Perseverance
- ◆ Analytical
- ◆ Task Oriented
- ◆ Self Motivator

Salary Information



Salaries in the Atlanta, Georgia area as of January 2004

Computer Operator I	\$26,504 Per Year
PC Maintenance Technician I	\$36,729 Per Year
Help Desk Support	\$39,872 Per Year
LAN Support I	\$40,153 Per Year
Mail Server Administrator	\$61,862 Per Year
Computer Engineer V	\$100,655 Per Year



Work Based Opportunities

The purpose of Information Technology is to give the student the foundation they need to obtain their certification in A+, Cisco or Fiber Optics. Students are encouraged to visit potential places of employment like Best Buy, Circuit City, Micro Center, Fiber One, and Small computer repair shops in their community.

Career Opportunities

- ◆ Systems Analyst
- ◆ Computer Operations Manager
- ◆ Hardware Engineer
- ◆ Help Desk Support
- ◆ LAN Support
- ◆ Mail Server Administrator
- ◆ Network Administrator
- ◆ Network Engineer

Co-Curricular School Activities

◆ SkillsUSA-VICA:
A co-curricular school club which provides students with the added benefit of gaining work place skills in the areas of leadership, networking, and skill demonstration through regional, state and national level competitions.

- ◆ Student dues \$13.50



**Carroll County
Schools**

<http://carrollcountyschools.com>