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Pittsylvania Career and Technical Center  
**Computer Systems Technology**

**1 Year Program**

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**For More Information**

**Contact:**

Jessica S. Dalton, Principal  
Pittsylvania Career and Technical Center  
11700 US Hwy 29  
Chatham, VA 24531  
(434) 432-9416



# Computer Systems Technology –1 Year Program

9 <sup>th</sup> Grade
English 9
World History I or II
Earth Science
Algebra I or Geometry
PE9
Recommended Elective: Entrepreneurship (9093)
Elective
Elective

## Recommended Electives

- ◆ Computer Applications
- ◆ Any Business Courses
- \*Highly Recommended Electives

## Dual Enrollment Credit

- ◆ ETR 149 PC Repair (3)
- ◆ ITN 102 Introduction to Networked Client Operating Systems LAN (4)
- ◆ ITN 195 Topics in Cybersecurity (2)



10 <sup>th</sup> Grade
English 10
Biology
Geometry, Algebra II, or Algebra Functions & Data Analysis
PE10
Elective
Elective
*Recommended Elective: Word Processing (6625)
*Recommended Elective: Office Administration (6621)

## Industry Certifications

- ◆ CompTIA IT Fundamentals
- ◆ CompTIA A+
- ◆ Microsoft Technology Associate -  
Operating System Fundamentals

\*\*Please note, in addition to Technical and Program requirements, students must complete the requirements for graduation at the base school.

\*\* Students can receive a College Studies Certificate if they take both Computer Systems Technology and Computer Network Hardware Operations.

11 <sup>th</sup> Grade
English 11
US History
Economics & Personal Finance
Algebra Functions & Data Analysis, Adv. Algebra/Trigonometry, or Pre-Calculus

12 <sup>th</sup> Grade
English 12
US Government
Computer Information Systems (6612)
Environmental Science, Astronomy, or Chemistry

## 11<sup>th</sup> or 12<sup>th</sup> Grade

Semester 1: Computer Systems Technology I (8622)

Semester 2: Computer Systems Technology II (8623)

\*\* Student would take 4 electives at their base school during the year they are not attending PCTC or enroll into a different 1 year program at PCTC.

\*Recommended Elective: Computer Network Hardware Operations I-IV and Cybersecurity at PCTC.

## Course Description

Students enter the world of computer technology and gain practical experience in assembling a computer system, installing an operating system, troubleshooting computers and peripherals, and using system tools and diagnostic software. They develop skills in computer networking and resource sharing. In addition, students explore the relationships between internal and external computer components. Emphasis is placed on customer service skills and career exploration.

Students explore wireless technologies (e.g., Bluetooth, Wi-Fi) and create and configure a network. Emphasis is placed on technical proficiency, skill-building, and workplace readiness. The course prepares students for postsecondary education and training and a successful career in information technology. Upon successful completion of the course, students may qualify to take industry certification exams.