

MAKE THE CAREER CONNECTION

for

NETWORK SECURITY

YOUR ROP TRAINING

LEADS TO JOBS as....

Entry Level

(High School Diploma/ROP Training)
Self employment or working in Industry

Computer Repair Technician

Technical Level

(Community College Degree)

Computer Information Systems
Telecommunications
Network Systems Technician
Computer Systems Analyst

Professional Level

(Baccalaureate Degree)

Certified Network Engineer
Computer Engineer
Computer Scientist
Computer Support Analyst

Students will benefit by having knowledge of computer science, good keyboarding

WHAT IS ROP?

The Baldy View Regional Occupational Program is a cooperative vocational education effort between the Chaffey Joint Union High School District, ChinoValley Unified School District, Claremont Unified School District, and Upland Unified School District. ROP's purpose is to provide a wide variety of career preparation at the entry and technical levels to meet the needs of high school students and adults.

***Prepare for YOUR future NOW
by enrolling in ROP TODAY!***

ENROLLMENT INFORMATION

High school students should contact the Career Technician at their high school.

Adults should call Baldy View R.O.P. office for specific enrollment dates and available classes.
Career Training Center

(909) 947-3400 x300

baldyviewrop.com

Enrollment priority:

- ❖ High School Students: seniors, juniors, sophomores, 16 yrs. of age and older.
- ❖ Adults living within our geographical service area.
- ❖ Adults living outside our geographical service area.

Baldy View ROP is an equal opportunity employer and asserts that it does not discriminate on the basis of race, color, creed, national origin, ancestry, religion, sex, age, or handicap in its employment or enrollment in job training programs.

NETWORK SECURITY

A career preparation program designed to provide related instruction and practical experience.



WHAT DOES THE PROGRAM PREPARE ME TO DO

Network Security prepares students for further study in specialized computer network security fields. Skills are developed from hands-on training on high-tech networking equipment. Students with intermediate computer skills will learn the purpose and goals of network security policies including the need for authentication and how to identify and explain the different types of attacks that affect the confidentiality of networks. This course will also introduce the student to the topics of web security, virtual private networks, and intrusion detection.

Students will develop skills that allow them to identify network vulnerabilities and how to safeguard against them. Particular emphasis is placed on administration and troubleshooting techniques that include decision-making and problem-solving techniques in applying science, mathematics, communication, and social studies concepts. Integrated throughout the course are career preparation standards which in-

CERTIFICATION

Network Security will prepare students to take the CompTIA Security+ exam. The CompTIA Security+ certification is the perfect launching pad into a new career. The demand for skilled security professionals is growing significantly and the technology community identifies CompTIA Security+ as the perfect way to validate your knowledge of information. Some of the career possibilities for CompTIA Security+ certified professionals include Security Auditor/Systems Auditor, Operations Security, Risk Analyst/Consultant, and Network Infrastructure.

ROP TEACHERS

ROP teachers know the job market, have business and industry experience within the field they teach and are credentialed. **LEARN FROM THE BEST WITH ROP TEACHERS.**

STUDENT OUTCOMES

Upon successful completion of a ROP course, each student will:

- ❖ Demonstrate occupational specific, communication and critical thinking skills
- ❖ Demonstrate responsible work ethics
- ❖ Demonstrate career/employment literacy
- ❖ Demonstrate effective use of technology



THE JOB

The increasing use of personal computers and the growing number of in-home telecommuters creates more opportunities for amateur and professional computer users to experiment with various codes and gain illegal entry into a secured computer system. Workplace crime has also become more prevalent in recent years. Theft of computer programs and planting of viruses are being committed by employees as well as outside computer users.

Computer Security Specialists coordinate planned security measures to protect information in computer files from accidental or unauthorized modification, destruction or disclosure. The Specialists often help design and monitor security systems. Security Specialists work for both public and private companies on top security computer networks.

The following are a list of job titles that relate to the computer security field:

- Network Support Specialist
- Network Control Technician
- Hardware/Telecomm Field Support Technician
- LAN/WAN Technicians
- Network Specialists or Analyst
- Network Systems Technician
- Computer Systems Analyst
- Computer Programmers
- Information Security Specialists

SPECIAL CONSIDERATIONS

- ❖ Minimum age - 16 years old or 11th grade
- ❖ Knowledge of computer operating system
- ❖ Ability to work independently
- ❖ Ability to understand and carry out instructions
- ❖ Understanding of basic mathematics and good reasoning abilities
- ❖ Understanding of computer troubleshooting and maintenance
- ❖ Ability to read and write in English and recall information
- ❖ Attention to detail and accuracy
- ❖ Good manual dexterity and motor coordination
- ❖ Dress requirement: conform to dress standards and conduct regulations of the class and the community sponsor.

COURSE LENGTH

One semester course.

ROP CERTIFICATE OF TRAINING

A ROP certificate of completion, including competencies, is awarded to students who complete the course.

HIGH SCHOOL CREDITS

Upon successful completion of the class, credits earned in ROP are forwarded to each student's