Cabrillo College

Aptos • Scotts Valley • Watsonville

6500 Soquel Dr. • Aptos, CA 95003 • 831-479-6100

How To Enroll

STEP 1 You may apply online at www.cabrillo.edu. If you have any questions, contact the Cabrillo College Admissions & Records Office in Building 100 of the Aptos campus located on 6500 Soquel Drive, phone (831) 749-6201; or in Watsonville on 318 Union Street, phone (831) 786-4701.

STEP 2 You will receive registration information in the mail including your time to begin registering.

Who May Enroll

Cabrillo College is open to anyone 18 years of age or older, or anyone with a high school diploma or proficiency certificate. High school students also may attend classes at Cabrillo on a limited basis with the permission of their high school principals.

Nondiscrimination Policy

Cabrillo Community College does not discriminate on the basis of ethnic group identification, national origin, religion, age, sex, race, color, physical or mental disability, or sexual orientation in any of its policies, procedures, or practices. This nondiscrimination policy covers admission and access to, and treatment and employment in, the college's programs and activities, including vocational education programs. Limited English language skills will not be a barrier to admission to and participation in vocational education programs.

Plan De Acción No Discriminatoria

Cabrillo Community College no discrimina a base de identificación con grupos étnicos, nacionalidad de origen, religión, edad, sexo, raza, color, incapacidad mental o física ni orientación sexual en ninguna de sus reglamentaciones, procedimientos o prácticas. Este plan de acción no discriminatoria incluye la admisión y el acceso a los programas y actividades, y el tratamiento y el empleo en los mismos, incluyendo la educación vocacional. Tener limitadas destrezas en el idioma inglés no constituirá una barrera para ser admitido o participar en los programas de educación vocacional.   5/11

Computer Networking & System Administration

Cabrillo College

cabrillo.edu

"*After raising two daughters and watching them graduate from college, I decided to pursue my dream of a college degree. I found the computer networking courses and instructors at Cabrillo College to be of the highest quality. I am now working in the exciting field of network forensics and security with DMDC (an agency of the DOD) and finishing my master's degree in management and information technology.*"

—Regina Rogers

Career Opportunities

There are many career opportunities for networking and system administration professionals in all types of organizations and across a variety of industries. Our graduates work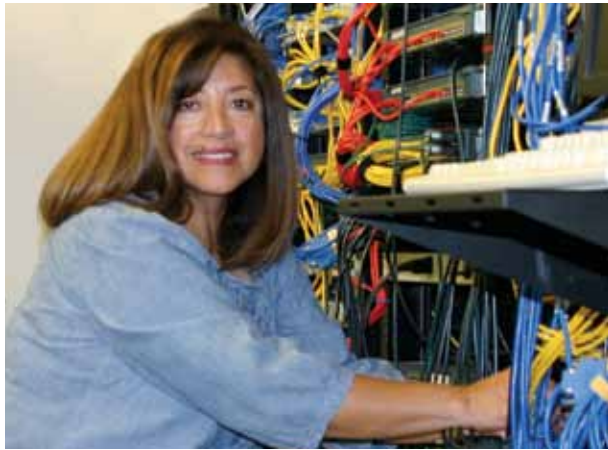 for computer companies such as Veri-Sign, SurfControl, Cisco Systems, for city and county governments, federal agencies, such as the Department of Defense and the Defense Language Institute, for educational institutions, including UC Santa Cruz and CSU Monterey Bay as well as for numerous contracting companies and local businesses. According to the U.S. Department of Labor Employment and Training Administration:

- "Computer network, systems, and database administrators should continue to enjoy excellent job prospects. In general, applicants with a college degree and certification will have the best opportunities."
- IT is the fastest growing sector in the economy with a projected 30% growth rate through 2018.
- Employment of network and computer systems administrators is expected to increase by 23 percent from 2008 to 2018, much faster than the average for all occupations.
- Median annual wages of network systems and data communication analysts were $71,100 in May 2008, ranging from $41,660 (low) to $110,920 (high). Job titles associated with this salary range include network architects, telecommunications specialists, Webmasters, and Web developers.

Computer Networking & System Administration

World's Use of Technology Drives Huge Demand for IT Professionals

Computers and computer networks have become an integral part of our lives. A mother in California with a cell phone can send a video of her newborn to relatives in Nigeria and a cancer specialist can examine a patient thousands of miles away in a rural community of another state.

We shop online, play Internet games, use our smart phones to get driving directions, and communicate and collaborate using different media and devices, anytime, anywhere all over the world. These examples demonstrate how important networks, such as the Internet, have become to us—they affect how we work, live and play. As a result, there is an ever-growing demand for well-qualified IT professionals, especially in networking and telecommunications. According to the U.S. Bureau of Labor Statistics, more IT jobs are available today in the U.S. than ever before. Moreover, excellent job prospects are expected for Network and System Administrators.

The Profession

Cabrillo College's Computer Networking and System Administration (CNSA) program prepares students for a variety of careers in the IT field.

Network Administration

Network administrators implement and manage systems that send information over the network. They monitor the delivery of information (including data, voice and video) across a network and protect the network from internal and external security threats. They are also responsible for the wired and wireless local area networks that connect their company's network to remote networks and the Internet, and they utilize virtual technologies. The CNSA program introduces entry-level students to the exciting field of networking. Students can earn skills certifications such as Cisco Certified Network Associate (CCNA) and Cisco Certified Network Professional (CCNP) or go on to earn a B.S. by transferring their completed Cabrillo coursework to a university. Students get hands-on experience with routers, switches, wireless access points, cables and other devices used in building and configuring the networks of today. The CNSA program is also designed for industry professionals who wish to keep abreast of the newest technologies. Courses include advanced routing protocols, multilayer-switched networks, optimizing network technologies, IP telephony and network security.

System Administrator

System administrators keep the network safe, secure and available to its users. From installing hardware to configuring operating systems and virtual environments, system administrators build and maintain web, email and application servers, protect them from security threats, monitor their performance and implement disaster recovery plans. Consequently, they must keep their technical knowledge current and continually develop their troubleshooting skills. Students discover how to construct a network infrastructure for a home or small office using routing protocols, name resolution, file-sharing and remote access services. Courses in the CNSA program provide excellent preparation for industry certifications such as those of Microsoft, CompTIA, and the Linux Professional Institute, which make a student much more desirable in the IT job market. Students in our program have the option of learning either in the on-campus lab or from home with remote access.

"Attending Cabrillo College was a wonderful experience for me. Computer Networking and System Administration classes were quite challenging and remarkably rewarding. I met intelligent, knowledgeable, talented, devoted, compassionate instructors who helped me start an exciting career in IT."

— Yekaterina Sinyagina
CRXXI Systems Administrator, Trofholz Technologies, Inc.
Defense Language Institute, Monterey, CA

Security Administrator

A security administrator specializes in computer and network security. Security administrators establish and maintain security devices, such as firewalls, and in addition consult on general security measures. Courses in the CNSA program provide hands-on experience with network devices and a myriad of monitoring and diagnostic tools preparing students for the CompTIA Security+ industry certification examination.

get wired* *[or wireless]
It's not just a career, it's an education.
COMPUTER NETWORKING AND SYSTEM ADMINISTRATION
http://www.cabrillo.edu/programs
ck on: Computer Networking and System Administration   Cabrillo College

For more information about Computer Networking and System Administration:

cabrillo.edu/academics/cnsa