



Antelope Valley Community Training Center Networking and Telecommunications

Most people and businesses are impacted by pervasive digital communications. The Networking and Telecommunications course is designed to introduce students to voice and data communication systems. Emphasis is placed on transmission theory, hands-on experience with installation and connectivity, data management, ethics, industry-standard software and hardware tools, and troubleshooting. By providing real-world experiences, this course helps prepare students for the acquisition of industry certifications and employment as productive members of information technology teams.



Information Technology-Related Jobs and Salaries

Job Title	Average Salary
Product support specialist	\$71,139
Desktop support analyst	\$76,221
Hardware analyst	\$85,579
Systems administrator	\$99,399
Systems analyst	\$109,531
Scrum master	\$109,071
Cloud computing analyst	\$100,981
Database administrator	\$103,977
Systems Engineer	\$109,392

Job Title	Average Salary
Network/cloud engineer	\$118,750
DevOps Engineer	\$120,750
Site reliability engineer	\$119,011
Network security engineer	\$117,636
Big data engineer	\$121,484
Security Architect	\$166,919
Network/cloud architect	\$132,860
Information systems security manager	\$127,895

*Salary data is sourced from Glassdoor as of August 2022

Some Skills Required for Information Technology Jobs

- Hardware deployment: ordering, unpacking, and setting up IT systems such as computers, switches, internet routers, and equipment for enabling cloud services.
- Software development: creating, testing, and maintaining software applications and programs.
- Database management: storing, organizing, and retrieving data using database systems and tools.
- Cloud computing: using and providing online services and resources such as servers, storage, and software.
- Machine learning and artificial intelligence: applying and developing algorithms and systems that can learn from data and perform tasks.