

Spring 2025

Begin your IT career with our CompTIA courses



Start with A+ Computer Technician



You're looking for greater professional opportunities and increased rewards. CompTIA A+ certification validates the foundational skills to build a satisfying IT career.

What's it all about?

The CompTIA A+ certification is the first step of your professional IT journey and can propel you toward a rewarding career in cloud computing, networking, mobility, security, or systems administration. It's the ideal foundational certification to start a career working with cutting-edge information technologies. It covers mobile, tablets, laptops, desktops and beyond. The exam verifies that an individual can troubleshoot networking and security issues within operating systems such as Apple, Android, Windows, and Linux.

Why CompTIA A+? Over 1,000,000 IT professionals hold this industry recognized certification. Moreover, it's vendor-neutral, which means the skills you develop here won't be tied to a specific company or technology, keeping your horizons in IT broad and deep.

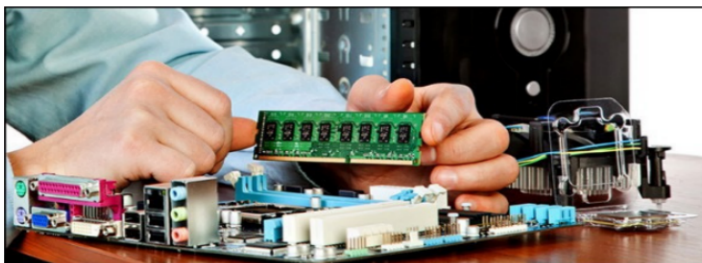


What's in it for You?

16 Week Course/4.2 Hour Daily/Tue-Wed-Thurs 240 Hour Lab Course
90 Hands-On Computer-Lab Exercises Students are assigned their own Computer Proficiency with Tools: Cable Splicers, Crimpers, & Network Analyzers for Troubleshooting Hands-On Introduction to Networking & Wireless LAN's Exam Preparation via A+ Practice Exam Simulator ELAC Certificate upon Completion! Get a Better Job by Getting an A+ Certified

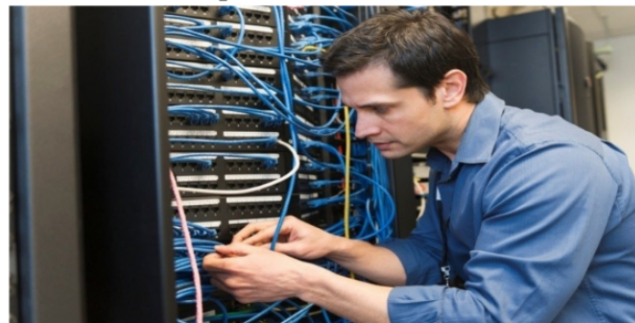
ELECTRN 121, 122, & 126

9 Units, Sections: 14121-14122, 14123-14124, 14125-14126 Tue, Wed; Thurs, 8:00 AM – 1:20 PM RM: E7-302 \ Online



CALIFORNIA COMMUNITY COLLEGES
IT TECHNICIAN Pathway

CompTIA Network+



This course introduces the fundamentals that form a modern computer network, such as protocols, topologies, hardware, network architecture, and network operating systems. In-depth coverage of the most essential concepts in contemporary networking include TCP/IP, Ethernet, wireless transmission, network administration, support, troubleshooting WANs (Wide Area Networks), and security. Students develop the skills to implement the best network topology, hardware, and software for their environment, develop skills to build a network from scratch and maintain, upgrade, and troubleshoot an existing network.



ELECTRN 125

3 Units, Sections: 14637-14638

Wednesday 1:45 PM – 7:00 PM RM: E7-306 \ Online

<https://certification.comptia.org/certifications/network>



Python for Networking

In this course, students learn topics of the Python language such as data types, variables, control, structures, Python, Objects and Oriented Design, standard and advanced mathematical libraries, tool-chain use and Python Frameworks, user-defined classes and abstract collections, and dictionaries. Also, students have access to a NETLAB+ system, a virtual system that allows topology configuration via online, and upon online completion, students physically configure the topology in class.

ELECTRN 129

2 Units, Sections: 24785/24786

Tue; 1:45–6:00 PM RM: E7-306 \ Online

Instructor: Prof. Villanueva

East Los Angeles College ▪ Engineering & Technologies Department ▪ E7-311

Contact Info: (323) 780-6793 ▪ Mark Swicegood ▪ swicegm@elac.edu

Register for classes: <https://www.elac.edu/>

Spring 2025 Classes Begin Monday, February 10, 2025