



Cisco ICND1 Network Technician



What is the Cisco ICND1 Certification?


This course is equivalent to part 1&2 of the Cisco CCNA Network Academy. Part 1 of this course introduces the architecture, structure, functions, components, and models of the Internet and computer networks. The principles of IP addressing and fundamentals of Ethernet concepts and media types. Introduce operations to provide a foundation for the curriculum. By the end of Part 1, students can build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes. Part 2 of this course describes the architecture, components, and operations of routers and switches in a small network. Students learn how to configure routers and switches for basic functionality. By the end of Part 2, students can configure and troubleshoot routers and switches and resolve common issues with RIPv1, RIPv2, single-area, and multi-area OSPF, virtual LANs, and inter-VLAN routing in both IPv4 and IPv6 networks. This course prepares students to take the Cisco ICND1 or CCENT certification exam. Also, students have access to a NETLAB+ system, a virtual system that allows topology configuration online, and upon online completion, students physically configure the topology in class.



ELECTRN 130 Cisco ICND1 (CCNA 1&2) - Hybrid

4 Units, Section: 17973-17974
Mon & Wed; 8:00AM-12:40PM



 All course materials will be provided digitally and free of cost. Zero Textbook Cost (ZTC)

Then Linux & Python

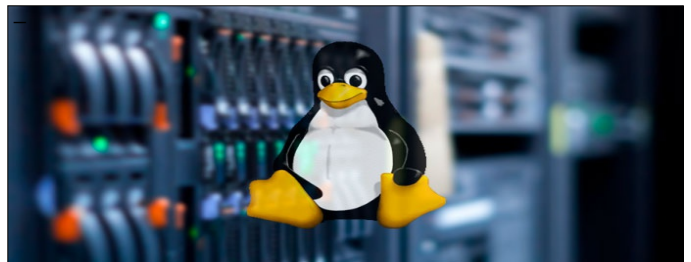


Python for Networking & Security

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, toolchain 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 online, and upon online completion, students physically configure the topology in class.

ELECTRN 129 - Online

2 Units, Sections: 20201-20202
Tue & Thu; 1:15-3:10 PM



Installing, Configuring, and Administering Linux Operating Systems

This course gives students a solid foundation in the fundamentals of the Linux operating system, which plays a crucial role in academic and corporate computing. Unix/Linux powers more Internet servers and corporate networks than Microsoft. The topics include Linux Overview and Architecture, The Kernel and Shell, File System, users and Groups Management, Permission and Ownership Management, Services and Processes Management. Students gain system-level experience through problem-solving hands-on lab exercises at the command line and in the graphical user interface. Also, students have access to a NETLAB+ system, a virtual system that allows topology configuration online, and upon online completion; students physically Configure the topology in class.

ELECTRN 131- Online

2 Units, Sections: 16309-16310
Tue & Thu; 3:30-6:05 PM

Register for classes



East Los Angeles College • Engineering & Technologies Department • E7-311
Contact Info: (323) 780-6793 • swicgmk@elac.edu

[Register for classes Here:](#)

Fall 2022 Classes Begin Monday, August 29, 2022