

# Cisco Networking



- ◆ **Location:** Newport High School
- ◆ **High School Credits:** CTE (3.0)
- ◆ **2 Year Program Available**
- ◆ **Program fees apply** (financial assistance may be available for qualifying students)
- ◆ **College Credits and Certifications available:** (contact WANIC to find out more)
- ◆ **Prerequisite:** Completion of Computer Technology or instructor permission.

This is a full year 3-period Skill Center class (3 high school credits).

**Year 1:** Discover how to design, build, manage, and troubleshoot corporate enterprise networks. Learn mitigation of security threats, cybersecurity threat management, and advanced troubleshooting skills with a major emphasis on hands-on learning. Each day half the class time is spent working in a state-of-the-art networking lab. Students take the Cisco Certified Networking Associate (CCNA) exam at the completion of the course.

**Year 2:** This advanced curriculum trains students to install, configure, and operate local and wide area networks using protocols and technologies such as TCP/IP, OSPF, EIGRP, BGP, AAA, IPv6, MPLS, STP, DSL, VTP, Gigabit, and 10 Gigabit Ethernet. This course makes extensive use of labs to focus on developing skills to build campus networks using multilayer switching technologies, creating and deploying a global intranet, and troubleshooting. Aspects of Voice-over-IP (VoIP) and Cisco Unified Communication Manager will be covered as well as aspects of VMWare and Microsoft virtualization of servers. Students also gain experience in setting up and configuring Microsoft Server products. Students take the Cisco Certified Networking Associate (CCNP) exams at the completion of the course.

[wanic.org](http://wanic.org)



## Cisco Networking

### Occupations and Average Yearly Wages in Washington State\*

◆ Computer and Information Systems Managers	\$162,410
◆ Computer Engineers (Hardware)	\$164,970
◆ Computer Network Architect	\$125,200
◆ Computer Network Support Specialist	\$84,330
◆ Computer Systems Analysts	\$106,240
◆ Information Security Analysts	\$106,900
◆ Information Security Engineer	\$92,010
◆ Network & Computer Systems Administrators	\$85,300

\* Source: [careeronestop.org](http://careeronestop.org), U.S. Department of Labor's Bureau of Labor Statistics 2021

### PREPARE FOR COLLEGE AND A CAREER!

WANIC (Washington Network for Innovative Careers) is a regional skill center in Northeast King County. WANIC provides advanced level Career and Technical Education (CTE) programs based on rigorous academic and industry standards preparing students for career and college readiness. WANIC Skill Center programs are delivered through a system of branch campuses in seven participating districts. The skill center programs provide dual credit opportunities (both high school and college credit) and/or lead to industry certifications.

### Washington Network for Innovative Careers

WANIC Skill Center serves high school students from these School Districts:

Bellevue ◆ Issaquah ◆ Lake Washington  
Mercer Island ◆ Northshore ◆ Riverview ◆ Snoqualmie Valley

### WANIC Skill Center

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Kirkland, WA 98034  
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[wanic.org](http://wanic.org)

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