

# Computer Networking Hardware Operations 4 DE

The final of three Cisco Networking Academy CCNAv7 courses, this course describes the architecture, components, operations, and security to scale for large, complex networks, including wide area network (WAN) technologies. The course emphasizes network security concepts and introduces network virtualization and automation. Students learn how to configure, troubleshoot, and secure enterprise network devices and understand application programming interfaces (API) and configuration management. Upon completion of this course, students will be prepared to take the Cisco CCNA Unified certification exam.

**Credits** 0.5

**Length**

Semester

**Grades**

12

**Course Designation**

Dual Enrollment (DE),

Weighted (1.0W)

**Schools**

Battlefield High School

**Prerequisites**

[Computer Networking Hardware Operations 3 DE \(Semester\)](#)

**Notes**

This course is paired with Computer Networking Hardware Operations 3 DE.

To enroll in this course, students must meet all eligibility requirements established by NOVA.

**Semester**

II