



**CLIENT:** Crafton Hills College | **LOCATION:** Yucaipa | **CAMPUS SIZE:** 251 Acres

## ABOUT

Crafton Hills College (CHC) is one of two colleges in the San Bernardino Community College District and one of 113 colleges in the California Community College system, the largest college system of higher education in the world. Since CHC's opening in 1972, learners of all ages, interests and backgrounds have passed through the doors of CHC, taking advantage of this first step to higher learning. As new businesses and industries settle in this region, CHC continues to increase in importance as a source for a college education and career training. Crafton Hills currently serves approximately 5,300 students and offers both day and evening classes.

## PROJECT SCOPE

As Crafton Hills College undergoes a significant campus transformation—including the construction of new buildings, demolition of older structures, and expansion across its 251-acre landscape—there is a growing demand for a more robust and scalable wireless network. To support this evolution, the college required an upgrade to its existing wireless infrastructure, ensuring reliable and continuous connectivity for students, faculty, staff, and IoT devices.

We performed a comprehensive wireless site survey to pinpoint coverage gaps, eliminate dead zones, and assess areas with high user and device density. Based on the findings, we replaced outdated access points and strategically deployed high-performance units designed to support greater capacity, ensuring seamless, reliable connectivity across the entire environment.



## SCOPE OF WORK

### STRUCTURED CABLE

Performed core drilling through concrete walls to establish new cable pathways. Deployed Leviton Category 6A cabling for high-speed data transmission and integrated Leviton pre-loaded patch panels into the existing server rack system.

### WIRELESS ACCESS POINTS

Deployed Extreme Networks AP5050U/D Wi-Fi 6E access points that are engineered for high-density environments like stadiums, these future-ready access points deliver exceptional performance even in the most challenging outdoor conditions. With IP67 durability and a wide operating range of -40°F to 140°F, they ensure seamless, reliable connectivity across the entire campus.

### NETWORK TESTING

Prior to mounting and installing new wireless access points, our technicians conduct a comprehensive certification test using a Fluke network analyzer. This process verifies proper cable termination, identifies any faults or performance issues, and confirms end-to-end data transmission integrity.