



Personal Computers



H-P Blade Servers

Equipment Categories of Hardware and Software:

Desktop, laptops and tablets
Network switches & routers
Network monitoring tools
Video conferencing
Generators & UPS
25Live Room Scheduling
Document Imaging
System Redundancy
Tape Backup
Virtual Servers
DAS – cellular

Printers
Servers
Wireless connectivity
Streaming media
OptEMan WAN
Portal Software
Firewalls
Smart Classrooms
Consolidated Server Storage – SAN
Audio -Visual
Telephone systems



Avaya Telephone



Cisco 9400 Switch

IT Projects and Major Accomplishments as of October 2018:

➤ Design and Acquisition of latest industry standard 802.11ac DATA wireless equipment

- Predictive design of wireless coverage for each building at each campus.
- Implementation of redundant wireless controllers at each campus for improved performance, uptime and traffic visibility.
- LPC Campus completed.
- Ekahau site surveys done to confirm coverage and service.
- Additional wiring and AP installs were performed at Chabot in August of 2018.
- Chabot campus converted except for PAC Theatre, Child Care and Bookstore. New APs have been installed on the new controller but additional AP locations are planned for future construction project.
- Bookstore to be completed Oct 12, 2018.
- New equipment can handle the addition of more APs as needed.
- Expanded outdoor coverage to be a follow-on project.
- Wireless Upgrade planned for Dublin District office.

➤ Distributed Antennae System (DAS) for improved cellular coverage inside buildings

- Configuration of DAS solution for Las Positas campus complete. Chabot DAS solution to follow after Las Positas, when new Chabot MPOE is available.
- LPC DAS Bid package released in July of 2018 for CommScope ION-E digital DAS system. Awarded to Day Wireless of Benicia.
- Kick off Project Meeting on September 21, 2018.
- Initial Bill of Materials listed in bid. Equipment has been fully received Sept/Oct 2018.
- Campus walkthrough with Project Technical team on October 1/2. IBWave detailed design in progress.
- Multi-sector design with carrier coordination underway.

IT Projects and Major Accomplishments as of October 2018:

➤ LPC New Telephone system

- Completion of telephone system and management/reporting servers.
- System Administrator training to be executed as time permits.

➤ CLPCCD Cisco Network Equipment bid

- Bid for POE+ switches, high density switches and router at all sites prepared and submitted to Cisco Gold Partners in July of 2018.
- Board approval for award to Presidio at August board meeting.
- POE+ switches and router equipment received October 2018.

➤ CLPCCD, LPC and Chabot server environment enhancements

- Blade/SAN upgrades have been received. Implementation is underway.
- Associated upgrades of network connectivity in Data Centers for 10 Gigabit speeds and performance improvements.

➤ Campus Upgrades

- Desktop refresh in progress for Chabot labs, faculty and offices.
- Desktop images being prepared for future LPC campus rollout.

➤ Telecommunications Backbone Upgrade at Chabot

- New fiber backbones for buildings running on 1990's vintage multimode fiber.
- New copper backbones for select buildings with old failing voice pairs
- Bidding in progress. Targeted for November board approval and January construction.

IT Projects and Major Accomplishments as of October 2018:

➤ Chabot New MPOE construction

- Project Zero for Measure A construction.
- Will replace building 200 room which house Telephone system, AT&T voice and Internet services.
- Expanded footprint in preparation for DAS deployment at Chabot campus
- Pre-cursor for all Measure A building construction.

➤ Conversion of Opt-E-Man to new AT&T ASE technology

- AT&T construction of new ASE circuits is complete.
- New Router to support DO bandwidth increase has been received.
- Implementation dates being planned.

➤ Improved CENIC Internet connections at each campus

- Community Colleges are being upgraded to 10 Gigabit connections for Internet access.
- Each of Chabot and Las Positas will have separate 10 Gigabit connections.
- CLPCCD ITS bid and acquired enhanced FirePower platforms.
- This provides advanced threat detection and protection of campus network resources.

