

Sacramento City College Strategic Planning System Cross-Divisional Program Plan

Planning years: 2026-2029
Plan Type: Program Plan
Planning Area: Information Technology
Primary Division: Information Technology & Media Services Division
Plan Author(s): Kirk Sosa
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SECTION I: OVERVIEW & REVIEW OF PREVIOUS ACCOMPLISHMENTS

A. PROGRAM DESCRIPTION

The Information Technology (IT) Department plays a strategic role in advancing the college's mission by supporting student learning, promoting student success, and enabling effective institutional operations. IT ensures the reliable and efficient delivery of academic programs and administrative services through core functions such as:

- Managing the lifecycle of campus computers and related equipment
- Licensing, deploying, and supporting academic and administrative software
- Maintaining and improving the college's wired and wireless network
- Upgrading servers and optimizing core systems
- Safeguarding institutional data and providing technical support that adapts to evolving instructional and operational needs

B. REVIEW OF ACCOMPLISHMENTS OVER THE PREVIOUS PLANNING CYCLE

2023-2026 AUO and SLO Assessment Results			
College Strategic Goal	Administrative Unit Outcome (AUO)/Student Learning Outcome (SLO)	Assessment Measure/Target	Outcome
Goal 1 – Access	AUO #1: Student Access to School-Owned Technology	Target: Collaborate with campus programs to identify requirements for student laptop/tablet availability while addressing management and security needs.	During 7/1/24-6/30/26 accomplishments: • Continued support for laptop and Chromebook checkout programs through the Business Division, Library, and

		Baseline year: 2023-2026 Measure(s): Purchase requests; JAMF (Apple), KACE (PCs), PDQ Deploy records Data Source(s): Purchase requests and items received.	Basic Needs Center/Panther Cares. • After the districtwide Chromebook project ended, Basic Needs purchased 750 Chromebooks and 150 laptops, which IT imaged and deployed rapidly. This project was reviewed and approved by the Education & IT Committee/EITC. • Ongoing IT support for the Student IT Helpdesk servicing campus-owned and student-owned devices.
Goal 1 – Access and Goal 2 – Progress, Momentum, and Success	AUO #2: Support for Student-Owned Devices and Access to IT Resources	Target: Expand access to campus IT resources for students using personal devices, including wireless printing and cloud-based tools. Baseline year: 2023-2026 Measure(s): Computer utilization data; VDI usage logs. Data Source(s): Records reflecting the number of computers in production, in labs, and the number of computers given away or loaned to students and employees; VDI server logs	• Licensing servers enabled student use of specialized software (e.g., Avid ProTools, SPSS) on personal devices on- or off-campus. • Multi-phase Wi-Fi upgrades improved wireless coverage and network throughput. • OKTA single sign-on continued providing secure access to district systems (e.g., Office 365, Google Drive, ADA-required software, eServices). <i>Link to New District Hub Page:</i> https://lrccd.okta.com/

			Increased student access to technology through laptop loans, Chromebook projects, on-campus labs, and expanded use of the VDI Open Lab for hardware-dependent programs.
5 – Sustainability and Resource Stewardship	AUO #3: Improved Access and Reliability of Campus Network Systems	Target: Ongoing evaluation and improvement of wired and wireless network availability and performance. Baseline year: 2024-2026 Measure(s): Number of installed Wireless Access Points (WAPs); device capacity; coverage improvements; switch capacity. Data Source(s): Meraki management server, installation records, vendor WAP specs and wireless heat map before/after installation.	During 7/1/24-6/30/26, the following network projects are scheduled to be completed: - Replaced 59 UPS units and 13 battery expansion packs to support reliable network operations. - Installed numerous new WAPs on the Main Campus—including 33 indoor WAPs and 12 outdoor WAPs—improving connectivity in PAC, RHS, Hughes Stadium, Basic Needs, and various outdoor areas. - Installed 7 additional targeted WAPs and cabling upgrades in SG, NG, RHN, HUS, RHS, and replaced a cable run in PAC. - Established a new IDF in the Lusk Building (Room 118) to expand network distribution capacity. - Reconfigured BUS-219 (“Crash and Burn” Lab) into a Nursing Program

			lab, including cabling upgrades and enhanced security in BUS-219/BUS-221A. • Began deployment of new switches in high-density IDFs to reduce equipment strain and increase redundancy.
Goal 1 – Access & Goal 5 – Sustainability and Resource Stewardship	AUO #4: Outreach Center Technology and Network Resources	Target: Ensure Outreach Centers have the IT resources needed for efficient operation. Baseline year: 2023-2026 Measure(s): Device counts; lab availability; WAP and switch health reports. Data Source(s): IT Equipment Inventory records, Meraki switch/Access Points health reports, student use of lab info.	During 7/1/24-6/30/25, the following network upgrades were done in the Outreach Centers: • Upgraded servers at the West Sacramento and Davis Centers. • Improved wireless coverage with additional WAP installations at the West Sacramento Center. • Secured the network cabinet and AC power at the McClellan Center to prevent unauthorized access and improve safety.
Goal 5 – Sustainability and Resource Stewardship	AUO #5: Unit Plan Evaluation and Technology Replacement Cycles	Target: Enhance resource utilization by assessing the feasibility of technology replacements and instructional needs. Baseline year: 2023-2026 Measure(s): The lab supports the software that the education plan requires and delivers the application efficiently to optimize learning opportunities.	• Completed hardware and software replacement cycles for 2023–2026. • Imaged and redeployed 165 PC laptops, 750 Chromebooks, and 10 Mac laptops to the Library to support expanded student checkout programs. • Initiated a special project to locate, verify, and

		Data Source(s): Campus IT, department requester & ACITE	evaluate DNR (Do Not Replace) systems to reduce operational risk and maintain inventory accuracy.
Goal 2 – Progress, Momentum, and Success & Goal 3 – Learning and Achievement	AUO #6: Software to Improve Student Success	Target: Provide software and virtual tools that support engagement and instructional effectiveness. Baseline year: 2023-2026 Measure(s): Software request logs; VDI demand; remote access usage. Data Source(s): Requests logged in Service Central. Access logs in our virtual environment.	Continued campuswide use of instructional and productivity software, including Zoom, Google Apps, MS Teams, Adobe Creative Cloud, Office 365, SplashTop, OneDrive, and VDI environments for remote and on-campus access.
Goal 5 – Sustainability and Resource Stewardship	AUO #7: Support for Construction and Renovation Projects	Target: Ensure new and renovated campus facilities are equipped with appropriate technology. Baseline year: 2023-2025 Measure(s): Completed installations; Service Central records; computer cart deployments. Data Source(s): Service Central tickets, number of computer carts prepared	During July 1, 2023 - June 30, 2025 • Provided full IT infrastructure for the Health & Awareness Center and Makerspace/Temp 1 renovations. • Installed new workstations, switches, wireless access points (indoor/outdoor), cabling, and supporting equipment.
Goal 4 – Equity and Engagement	AUO #8: Communication and Governance Engagement	Target: Strengthen communication with college and district partners regarding IT policies and projects. Baseline year: 2023-2026	• Established a dedicated Microsoft Teams channel between campus IT and DO-IT to address Priority 1 and Priority 2 issues efficiently.

		Measure(s): Governance meeting notes (EITC, Senior Leadership Team/SLT); project communication records. Data Source(s): Meeting records	• Maintained regular communication on major IT projects, upgrades, and maintenance through: ✓ Districtwide Change Advisory Board (weekly) ✓ DO-IT and campus IT coordination meetings (bi-weekly) ✓ Public Information Office notifications for major outages • Engaged governance groups (EITC, SLT, Executive Team, Academic/Classified/Student groups) in discussions on campuswide IT initiatives and planning.
Narrative: Brief summary -	During the 2023–2026 planning cycle, SCC-IT made significant progress in modernizing infrastructure, improving student access to technology, increasing wireless and network capacity, strengthening Outreach Center resources, enhancing software availability, supporting major campus construction projects, and improving communication across the institution. These accomplishments reflect IT’s commitment to supporting student success and advancing the college’s strategic goals. Recap: • Installed numerous indoor and outdoor WAPs to improve campus-wide connectivity. • Upgraded servers, added WAPs and secured facilities at Outreach Centers. • Supported continued access to Zoom, Adobe CC, Office 365, and other essential software. • Delivered full IT support for the Health & Awareness Center and Makerspace construction projects. • Strengthened communication with district partners using Teams channels and governance meetings. • Improved inventory accuracy, including verification of DNR computers. • Completed collegewide UPS lifecycle replacements. • Redesigned BUS219 lab to ensure efficient use of available space		

REVIEW OF PREVIOUS YEAR'S RESOURCE USE:

7/1/24-6/30/25

AUO #1 – Student Access to Portable Technology

- After the district-wide Chromebook project ended in October 2023, demand continued to be high.
- The Basic Needs Center purchased **750 Chromebooks and 150 laptops**, which IT imaged and deployed for Library checkout.
- Student Help and temporary IT staff provided a rapid turnaround for imaging and deployment.
- The project was reviewed and approved by the Education & IT Committee as a critical student-support initiative.

AUO #3 – Network Expansion and Reliability

Significant upgrades were made to strengthen wireless and wired network performance:

- Installed 33 additional indoor WAPs and 12 outdoor WAPs to expand wireless coverage across instructional buildings, Hughes Stadium, the Basic Needs Center, Lusk Center and other campus areas.
- Completed cabling upgrades in BUS-153 to support Career Center relocations.
- Established a new Intermediate Distribution Frame (IDF) in the Lusk Building (Room 118).
- Completed collegewide UPS lifecycle replacement, including 59 UPS units and 13 expansion batteries.
- Began installation of additional switches in high-density IDFs to improve performance and redundancy.
- Planned installation of 7 new indoor WAPs and replacing a cable run to address heat-map-identified wireless coverage gaps.
- Started converting BUS219 into a Nursing Program Lab.

AUO #4 – Outreach Center Improvements

- Upgraded network switches at the West Sacramento Center, Davis Center, and McClellan Center.
- Added eight new WAPs at West Sacramento to meet rising instructional and student-use demands.
- Secured the McClellan network cabinet and AC power source to prevent unauthorized access.

AUO #5 – Computer Redeployment and Inventory

- Ordered, Inventoried, Imaged and redeployed 165 PC laptops, 750 Chromebooks, and 10 Mac laptops to expand the Library's student checkout program.
- Continued inventory work, including verification of Do Not Replace (DNR) systems and investigation of unused or high-risk devices.

AUO #7 – Construction and Renovation Support

- Completed technology installations for the Basic Needs Center and the Makerspace (Temp 1 Remodel), including workstations, switches, cabling, and wireless access points.

FACTORS AFFECTING THE WORK OF THE PROGRAM:

Several institutional and operational factors influenced IT progress during the planning cycle:

1. Embracing New Structures

We're navigating an exciting period of district and college restructuring! As we implement these changes, we've encountered some expected temporary hurdles, including the need to clarify new reporting relationships, define transitioning roles, and standardize our onboarding process. Our focus now is on collaboratively addressing these areas to ensure smooth, efficient operations and continuous high-quality service.

2. Planning for Modern Labs and Classrooms

We're committed to ensuring our labs and classrooms have the best possible technology. However, since some instructional spaces have not yet returned to their pre-pandemic usage levels, we are working with limited, outdated data. Our next step is to collect fresh utilization metrics and specific software for this purpose, which will allow us to confidently prioritize technology upgrades and allocate resources precisely where they are needed most.

3. Strategic Training for New Platforms

To stay current, our team is focused on mastering essential emerging platforms (**AWS, Office 365, Teams, OneDrive, OKTA**, etc.). The pace of change, combined with critical operational duties, puts a strain on capacity and learning time. We are prioritizing strategic training and resource allocation to help the team successfully adapt and integrate these tools with minimal disruption. Some of the training is provided by DO-IT and SCC Professional Development.

4. The New Home for Student Tech Support

Following the reorganization, our Student Tech Support team is now officially part of the IT department, centralizing and strengthening the service we offer students. While this integration is excellent for efficiency, the team's current workspace poses challenges regarding visibility and capacity to serve students effectively, and we want to ensure a reliable environment. We are focused on finding a better physical location by submitting a request through our VPRT process, to pilot a new location in the LRC, that allows the team to thrive and serve the campus community even better.

5. The Challenge of End-of-Life Systems

Maintaining a functional and secure computing environment means addressing our aging "Do Not Replace" systems. These devices are beyond their recommended lifecycle, leading to three main issues: they can't be covered by warranty, they struggle to run modern software/security updates, and they significantly increase the support workload for our IT team. We are actively working on a strategy to modernize these endpoints and improve operational efficiency across the campus.

6. Adapting to Market Volatility

Unpredictable global factors, such as supply chain issues and tariff changes, can suddenly affect the pricing and availability of essential hardware. This market volatility often limits our procurement options or delays scheduled technology replacements. To counter these challenges, SCC-IT has cultivated strong and positive professional relationships with several key vendors, ensuring we consistently receive the best possible price points and priority service. Our dedicated IT team is focused on maintaining flexibility, quickly adjusting deployment plans, and effectively managing the resulting workload to ensure all necessary services remain available and reliable despite these external pressures.

A Special Projects employee has been tasked with identifying, verifying, and documenting all DNR systems to enhance inventory accuracy and minimize institutional risk.

SECTION II: FUTURE GOALS, DIRECTIONS, AND STRATEGIES

A. MULTI-YEAR DIRECTIONS AND STRATEGIES

Many objectives in the 2026–2029 IT Program Plan build on prior strategic efforts. While specific technologies may evolve, the department will focus on the following long-term directions:

1. Student Support, Digital Equity, and Accessibility

- Strengthen Student Tech Support services and increase visibility and access across all sites.
- Expand digital equity through enhanced access to loaner devices, labs, cloud tools, and Wi-Fi.
- Ensure ADA compliance for purchased and internally developed technologies.
- Provide ongoing training for students, faculty, and staff in educational and administrative technologies.

2. Infrastructure Modernization and Network Reliability

- Upgrade wired and wireless network infrastructure, including lifecycle replacement of switches, WAPs, UPS units, and cabling (Cat5e to Cat6/Cat6a).
- Transition from multi-mode to single-mode fiber to improve network speed, capacity, and resilience.
- Evaluate and enhance VoIP systems and other telecommunications infrastructure.
- Assess the server room environment and make improvements to support system stability and longevity.

3. Cloud Services, Virtualization, and Systems Optimization

- Continue evaluating and expanding the use of cloud computing services—such as Amazon Web Services (AWS) to determine where cloud hosting can improve scalability, reliability, and cost-effectiveness for campus systems. The department will assess which additional servers or services may benefit from migration to cloud environments based on performance, security, cost and operational needs.
- Strengthen virtualization strategies for instructional and administrative systems to support flexible access for students, faculty, and staff.
- Monitor emerging technologies, including Artificial Intelligence (AI), and assess opportunities where AI tools may enhance instruction, streamline business processes, or improve campus services. As AI

adoption grows across higher education and industry, the college will evaluate use cases, security implications, and readiness to incorporate AI solutions in a responsible and effective manner.

4. Information Security and Risk Management

- Strengthen security practices in partnership with District IT, including monitoring, threat detection, remediation tools, and data protection measures.
- Investigate enhanced technologies for system analytics, monitoring, and incident response to reduce risk.
- Maintain secure identity and access systems, including OKTA single sign-on and future districtwide security initiatives.

5. Enterprise Applications, Computer Imaging, and Software Stewardship

- Review institutionally supported software and hardware to ensure effective investment and alignment with instructional and operational needs.
- Evaluate improvements to computer imaging systems and workflows to align with enterprise best practices.
- Maintain and support software licensing, virtualization environments, and cloud-based tools that enable teaching and learning.

6. Governance Alignment, Organizational Development, and Staff Capacity

- Align college IT planning with the Los Rios Technology Strategic Plan (2024–2030) and districtwide guiding principle: [District IT Strategic Plan 2024-30](#)
- Adapt organizational structures, roles, and processes as campus needs to evolve.
- Invest in professional development for IT staff to support emerging technologies, cloud platforms, AI adoption, and modern infrastructure.
- Continue long-term planning for hardware, networking, and server replacement cycles.

B. UNIT OUTCOMES: [ADMINISTRATIVE UNIT OUTCOMES \(AUOs\)](#) FOR THE PLANNING CURRENT CYCLE

2026-2029 AUO		
College Strategic Goal	Administrative Unit Outcome (AUO)	Expected Outcomes/Targets
Goal 1	AUO #1: Instructional Technology to Support Student Success	Provide students with reliable access to instructional technology both on campus and remotely through improved Wi-Fi coverage, student-use computers, video capture tools, and expanded loaner device programs. Increased use of the library's laptop/Chromebook checkout program and

		the VDI system will extend the campus lab experience to off-campus environments.
Goal 2 & 4	AUO #2: Improved Communication and Project Coordination	Enhance the quality and timeliness of IT services by standardizing communication and workflow tools (Service Central, Microsoft Teams, and Maintenance Connection) and improving coordination with District IT and campus divisions.
Goal 2 & 5	AUO #3: Governance and Policy Communication.	Develop and maintain communication mechanisms that allow governance groups including EITC, SLT, Campus Executive Team, LRPD/Operations, and Academic/Classified/Student bodies to provide input on campuswide technology initiatives in a transparent and equitable manner.
Goal 1 & 3	AUO #4: Teaching and Learning Environment Modernization	Maintain high-quality instructional environments by implementing a consistent computer replacement cycle (4–6 years), improving campuswide wired & wireless coverage, supporting the VDI environment, and sustaining access to laptops for CTE programs and general instruction through the library checkout process.

SECTION III: ANNUAL PROCEDURES AND RESOURCE REQUESTS FOR THE PLANNING YEAR

The college's Information Technology functions are supported through the following annual procedures:

1. Annual Technology Review and Replacement Cycle

The IT department conducts an annual assessment of computers, servers, and related equipment to determine replacement needs. Recommendations are developed in collaboration with area IT staff, division and campus leadership to ensure accuracy, equity, and alignment with instructional and operational requirements.

2. Technology Standards, Infrastructure Planning, and Cloud Evaluation

IT collaborates with District Office IT (DO-IT), the Education & Information Technology Committee (EITC), and Facilities/Operations to establish and maintain campus technology standards. This includes evaluating on-premises and cloud-based hosting options such as Amazon Web Services (AWS) to determine whether additional systems may benefit from migration based on scalability, reliability, and sustainability.

3. Unit Planning and Project Feasibility

IT works with college divisions during the Unit Planning process to identify modern technology needs, evaluate project feasibility, and ensure alignment with campus and district priorities.

4. Account and Systems Access Management

IT partners with departments to manage user accounts, file shares, system access, and other computing resources that support administrative and instructional operations.

5. Districtwide Coordination and Governance Participation

IT participates in district-based committees, task groups, and governance processes to ensure consistent standards and effective implementation of districtwide systems. For example, campuses and District IT collaboratively establish computer standards (basic and advanced models) for districtwide purchasing, which promotes consistency and allows the district to take advantage of volume-based pricing opportunities.

6. Information Security and Data Protection

The College Information Security Officer, in coordination with District IT, implements security procedures, conducts risk mitigation activities, monitors evolving threats, and provides training to safeguard institutional data and ensure compliance with district and state policies.

7. Evaluation of Emerging Technologies, Including Artificial Intelligence (AI)

In response to rapid changes in technology, IT continually monitors emerging tools such as Artificial Intelligence (AI), automation platforms, and analytics solutions to determine where they may responsibly enhance instruction, streamline business processes, or support student services. Adoption considerations include security, accessibility, and alignment with district standards.

Resource Requirements:

Implementation of this Program Plan requires appropriate staffing, funding, facilities, and technology resources to support operations, maintain critical systems, and advance modernization.

Projected technology expenditures are outlined in the ACITE 2026–27 spreadsheet.

ACITE/Annual Campus Information Technology Expenditure 2026-2027										
Vendor	Product	Due Date	Qty.	Cost	Prch Type	GenFund (1)	VTEA (2)	SEAP (3)	DSPS (4)	DO (5)
Computer Replacement Cycle – PC Computers (ACITE-01)										
CDWG	Docking Stations (New Employees and Replacements)		25	185	1	4,625				
CDWG	PC Laptops: New Employees, Replacements		40	1,217	1	48,680				
CDWG	PC Laptops: Faculty & Staff (Instructional)		56	1,217	1	68,152				
CDWG	PC Laptops: Faculty & Staff (Non-Instructional)		36	1,217	1	43,812				
CDWG	PC Laptops: Adjunct Faculty		8	1,217	1	9,736				
CDWG	PC Laptops: Lab Cart		24	1,217	1	29,208				
CDWG	PC Desktops: Faculty & Staff		7	1,330	1	9,310				
CDWG	PC Desktops: Adjunct Faculty		3	1,330	1	3,990				
CDWG	PC Desktops: Smart Classrooms		10	1,053	1	10,530				
CDWG	PC Laptop: Surface Pro (Chem)		7	2,157	1	15,099				
CDWG	PC Laptops: DO Faculty & Staff (A&R, FIN Aid)		15	1,217	5					18,255
CDWG	PC Desktops: Labs w/Wireless (LUC 115)		32	948	2		30,336			
CDWG	PC Desktops: Mini PC only (Bus 221)		32	997	2		31,904			
	Totals					243,142	62,240	-	-	18,255
Computer Replacement Cycle – Mac Computers (ACITE-02)										
Staples	Apple Mac Studio USFF M4 Max - RAM 36 GB - SSD 512 GB - Apple M4 + 4 Year Warranty		30	1,985	2		59,550			
Staples	ASUS TUF Gaming VG27AQ LED monitor - gaming - 27" (27" viewable)		30	295	2		8,850			
Staples	VPA Replacement MacBook		1	2,307	1	2,307				
	Totals					2,307	68,400	-	-	-

Vendor	Product	Due Date	Qty.	Cost	Prch Type	GenFund (1)	VTEA (2)	SEAP (3)	DSPS (4)	DO (5)
Server Replacement Cycle (ACITE-03)										
CDWG/Lenovo	Replacement Domain Controller (DC5)	1-Dec	1	5,200	1	5,200				
CDWG/Lenovo	Replacement SCC-DENTAL	1-Dec	1	5,200	2		5,200			
	Totals					5,200	5,200	-	-	-
Software Maintenance Licensing (ACITE-04)										
JAMF -Mobile Device Management Expires 9/25/26	MAC OS Subtotal	1-Aug	308	18						
	iPads and TV's Subtotal		148	9						
	JAMF Combined Totals (MacOS & iPads)		456	15	1	6,876				
Cleverbridge	Bitwise SSH Server Upgrade Extension-Maint. Fee	1-Sep	2	20	1	40				
CDWG	VMWare Licensing Maintenance for Server Virtualization. Year 3 of 3 per contract.	1-Sep	1	11,800	1	11,800				
CDWG	Nuance Dragon Professional 16-Volume License Agreement-Level AA (Academic) - Carmen Hirkala	1-Nov	1	555	1	555				
Computer Land	Adobe Creative Cloud	1-Jul	696	80	1	55,680				
Computer Land	Microsoft Licensing (Desktop & Server	1-Aug	1	18,474	1	18,474				
StormWinds	Network based training (Year 1 of 2)		1	7,000	1	7,000				
Faronics	DeepFreeze	1-Jul	670	4	1	2,513				
CDWG	Veeam	1-Oct	1	9,400	1	9,400				
CDWG	Scanner Maintenance		1	1,500	3			1,500		
Naviant	OnBase hardware & software renewal	1-Jul	1	35,000	3			35,000		

Vendor	Product	Due Date	Qty.	Cost	Prch Type	GenFund (1)	VTEA (2)	SEAP (3)	DSPS (4)	DO (5)
SARS	SARSGrid "Anywhere", SARS Grid Add-on Text, SARS Messages, SARS Alert, SARSCall, SARSTrak	5-Apr	1	13,127	3			13,127		
PDQ	PDQ Deploy	1-Oct	2	1,815	1	3,630				
CDWG	Manage Engine (SIEM/Log Correlation/Analytics)	1-Dec	1	4,400	1	4,400				
CDWG	Pure Storage Array Maintenance	1-Jun	1	17,000	1	17,000				
CDWG	Pure Storage 2 Array Maintenance	1-Jun	1	17,000	1	17,000				
IBM	SPSS	13-Dec	1	7,012	1	7,012				
CardPresso	CardPresso XXL net Card ID software (+3 Evolis Primacy Printers @ \$2,200 each)	N/A	1	8,700	1	8,700				
Papercut	Papercut software and hardware licensing	1-Mar	1	3,235	1	3,235				
	Totals					173,314	-	49,627	-	-
Upgrades to Redeploy Computers (ACITE-05)										
	Emergency funds for empl laptops		1	10,000	1	10,000				
	Redeployment supplies		1	7,500	1	7,500				
	Media Services Redeployment/Replacement Supplies		1	10,000	3			10,000		
	Totals					17,500	-	10,000	-	-
Virtual Desktop Infrastructure Maintenance and Expansion (ACITE-06)										
VMWare	Maintenance of Current VDI Licenses Exp: 10/24/2026 RenewBy: Sept 2026	1-Sep	300	155	1	46,500				
	Totals					46,500	-	-	-	-

Vendor	Product	Due Date	Qty.	Cost	Prch Type	GenFund (1)	VTEA (2)	SEAP (3)	DSPS (4)	DO (5)
Server room upgrade (ACITE-07)										
Various	Equipment to support network changes		1	3,000	1	3,000				
CDWG	Eaton 93E Room UPS Maintenance		1	15,000	1	15,000				
	Totals					18,000	-	-	-	-
Networking (ACITE-08)										
DO IT	Cable installation/replacement (CAT5e with CAT6a) for indoor WAPs (wireless access points);	Ongoing for 4/4 years	1	36,000	1	36,000				
	Totals					36,000	-	-	-	-
AWS (ACITE-09)										
DO IT	AWS Cloud Virtualized Servers		1	131,000	1	131,000				
	AWS Resources (Base Row)		1	3,000	3			3,000		
	Totals				1	131,000	-	3,000	-	-
	Combined Totals					672,963	135,840	62,627	-	18,255

GENFD	\$672,963
VTEA	\$135,840
SEAP	\$62,627
DSPS	\$0
DO	\$18,255

Total Predicted for FY 26-27 \$889,685

APPENDICES:

A. Computer Replacements

The college conducts an annual computer replacement cycle based on the age, condition, and functional needs of campus equipment. Each year, standard PC and Mac desktop/laptop configurations are determined collaboratively by the four Los Rios colleges and District IT leadership to ensure consistency, streamline support, and leverage districtwide pricing.

Requests for Non-Standard Configurations

Any request to deviate from established standard configurations—including, but not limited to, transitioning from PC to Mac, desktop to laptop, or physical to virtual environments—requires a formal exception process.

Required Documentation and Approval Flow:

Trigger: Any request to deviate from the established standard configuration (e.g., PC to Mac, Desktop to Laptop, Physical to Virtual Environment).

1. **Written Justification:** Must be submitted by the Area Dean detailing the functional necessity of the non-standard configuration.
2. **IT Review and Recommendation:** Review and recommendation from the Dean of Information Technology (IT).
3. **Final Approval:** Required from the Vice President of Administration (VPA).

Rationale: These requirements are essential because non-standard configurations have significant implications for long-term funding, support structures, and institutional resource planning.

IT continues developing improved inventory and tracking tools to maintain accurate records and support the replacement process.

B. Network Planning Assumptions

The IT Department continues to prioritize a reliable, secure, and modern network environment that supports instruction, operations, and future technological needs. Network planning for 2026–2029 is guided by the following assumptions and long-term strategies:

1. Wireless Network Improvements

Ongoing efforts will continue to strengthen indoor and outdoor Wi-Fi coverage across all campus locations. This multi-year work includes:

- Replacing older cabling that supports Wireless Access Points (WAPs) with Cat6a to meet current technical standards. Approximately 130 WAPs will be upgraded over the next 3–4 years, with prioritization based on instructional impact.
- Transitioning WAPs from vertical wall mounts to horizontal ceiling mounts to improve signal quality, consistency, and user experience.

2. Wired Network Modernization & AV Integration

To maintain system reliability and support evolving technologies, IT will continue modernizing wired network components, including:

- Upgrading legacy Cat5e cabling to Cat6a in labs, offices, and other high-use areas.
- Ongoing IDF upgrades and maintenance, including power, cooling, and physical security improvements.
 - Example: The McClellan Center classroom IDF received ADA-compliant enhancements and power/security upgrades in Summer 2024.
- Adding required switches, UPS units, and rack space to support new technology deployments, including centrally managed Audio/Visual systems.

3. Fiber Infrastructure Upgrades

In collaboration with District IT, the college will continue migrating from 1 Gbps multimode fiber to 10 Gbps single-mode fiber.

This districtwide initiative will significantly increase bandwidth, improve stability, and simplify troubleshooting in the event of link failures.

4. District Coordination, Internet Service Provider/ISP Support

Network upgrades are closely coordinated with the District Office to support:

- Ongoing maintenance, improvement and monitoring of ISP lines
- Standardization of equipment and configurations across the district

5. Flexibility for Unplanned or Urgent Needs

The IT Department recognizes that unplanned network demands may arise over the next three years. These may include:

- New construction or renovation projects
- Emergency repairs
- Unexpected infrastructure failures
- Programs requiring additional connectivity or security

When these occur, IT will adjust timelines and priorities to maintain reliable and secure network services.

Summary of Planned Network Projects for 2026–2029

Priority network initiatives include:

- Continued enhancements to indoor and outdoor Wi-Fi coverage across campus
- Ongoing ISP line maintenance in collaboration with District IT

- Continued IDF infrastructure upgrades
- Expansion of Cat6/Cat6a cabling across campus
- Multi-year fiber replacement initiative
- Additional network components to support centralized AV systems

C. Server Replacement Plan

Physical campus servers are evaluated yearly according to functionality, reliability, and status of the warranty. If a server is approaching the end of its warranty, we determine if it can be virtualized or if a physical unit must be replaced. Servers that house our virtual environment are expanded based on the quantity and storage necessary for campus needs.

Our storage array servers were replaced by units from Pure Storage, and our storage infrastructure is now modern and fully supported. Due to available fiscal resources, we were able to make additional savings by purchasing a 3-year support plan. In 2026, we will need to re-evaluate the available support options and select the soundest option that meets the department's goals and objectives. We have planned and documented the ongoing support needs of the Pure Storage arrays and have included the costs in the 2026-2027 ACITE.

Amazon and Microsoft cloud-computing solutions are also being explored as possibilities to house virtual servers. If it is determined to be a viable and cost-effective solution, it will limit some of the hardware purchases. Other on-prem hypervisor solutions will be explored to address changes to the licensing and support options provided by Broadcom's acquisition of VMware.

D. Virtual Desktop Maintenance

The Virtual Desktop Infrastructure continues to have broad adoption and high utilization. Campus IT continues to evaluate new hardware and software tools to help virtualize Graphic intense programs. Campus and DO IT are exploring potentially utilizing cloud-based technologies for some of the campus services.

E. Server Room Upgrade – Environmental

Please see the Whole Room UPS project in our 2023-24 ACITE.

A whole room of UPS's was installed and brought online to address instability with the local power grid. Combined with a power generator, the server room power needs are configured to meet current and near-future requirements to support the SCC IT infrastructure. We will continue to monitor and maintain this as needed.

HVAC was evaluated by Facilities and determined to function within normal parameters. We will continue to monitor and evaluate the quality of the HVAC system and move to perform regularly scheduled maintenance on the systems. We will also need to include ongoing maintenance for the batteries in the room UPS.

F. Security Focus on System Monitoring/Analytics/Visibility

District IT is exploring modern security tools (NAC – Network Access Control) that help to monitor devices connected to our network to ensure they meet district security standards. It also protects campus/district data and hardware from zero-day exploits, malware, and viruses. Additionally, completed in the Fall of 2021, DO IT implemented Multi-Factor Authentication (MFA) via Okta/Duo to safeguard the Los Rios District's information

systems and the confidential data stored on those systems. The district continues to identify systems that require MFA and add those systems to the portal as needed. In addition, Global Protect (VPN) is being used to access the administrative network which contains sensitive high-risk data. Our network and computer systems are being scanned and protected by Palo Alto Cortex XDR for Anti-Virus and Malware. A district IT project is in the beginning phases for Managed Detection Response MDR

G. Mobile Device Management (MDM)

The college uses mobile device management tools to streamline deployment, enhance security, and provide remote support for campus devices.

- **Apple Devices:** JAMF is used to manage instructional and employee Apple devices, enabling remote software installation, configuration updates, inventory tracking, and the ability to lock or secure missing devices.
- **PC Devices:** The district uses KACE for patch management and software deployment on Windows-based devices. DO-IT and campus IT are also evaluating Microsoft solutions such as Intune and Autopilot to support modern provisioning, allowing devices to be configured directly in the user's possession without in-office setup.
- **Remote Support:** SCC IT continues to use SplashTop to provide remote assistance and deliver files and updates to users both on and off campus.

SCC Specific Acronyms and Terms Glossary	
Acronym / Term	Definition
ACITE	Annual Campus Information Technology Expenditure
AV	Audiovisual
AWS	Amazon Web Services
CAB	Change Advisory Board
DNR	Do Not Replace (hardware lifecycle designation)
DO-IT	District Office Information Technology
DSPS	Disabled Students Programs & Services
EITC	Education & Information Technology Committee
GenFund	General Fund
HyFlex	Hybrid-Flexible Instructional Technology
IDF	Intermediate Distribution Frame
Intune / Autopilot	Microsoft provisioning tools
IT	Information Technology
JAMF	Apple Device Management
KACE	Windows Patch & Deployment Tool
MDM	Mobile Device Management
MFA	Multi-Factor Authentication
NAC	Network Access Control
NAS	Network Attached Storage
PAC	Performing Arts Center
PDQ Deploy	Software Deployment Tool
SEAP	Student Equity & Achievement Program
Service Central	Districtwide IT ticketing system
SIEM	Security Information & Event Management
SLT	Senior Leadership Team
SMCL	Student Media & Classroom Learning
SplashTop	Remote Support Tool
UPS	Uninterruptible Power Supply
VDI	Virtual Desktop Infrastructure
VPA	Vice President of Administration
VPN	Virtual Private Network
VPRT	Vice President Review Team
VTEA	Vocational & Technical Education Act
WAP	Wireless Access Point