Wharton County Junior College

Information Technology Reliability Plan

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January 2024

Executive Summary
January 2024 Progress Report

1. **Provide a reliable, secure, and efficient technology infrastructure.**

   1.1: Remediate infrastructure within all WCJC-owned buildings, including telecommunications rooms, internal cabling, network switches, and LAN access points.

   - Building remediation – Completed September 2023

   1.2: Refresh fiber optic cable outside plant to interconnect Wharton and Richmond Campus buildings.

   - Wharton Campus Phase I Fiber Upgrade – Completed December 2023
   - Wharton Campus Phase II Fiber Upgrade – For approval

   1.3: Establish a consolidated Data Center with single point-of-entry for all demarcation points/hubs.

   - For consideration following fiber upgrade and transition to Banner SaaS.

   1.4: Convert all phone systems and internet services to a single-provider system through the Lonestar Education and Research Network.

   - Conversion to LEARN/GTT internet and phones – In Progress; On schedule

2. **Optimize the WCJC enterprise resource planning system, Banner, to enable success among WCJC students, faculty, and staff.**

   2.1: Upgrade all systems to self-service Banner 9 and transition from an on-premise ERP environment to Ellucian Cloud.

   - Conversion to Banner 9 SaaS – In Progress; On schedule

   2.2: Maximize the use of Ellucian-based applications to improve the student experience and enhance business processes.

   - For consideration following transition to Banner SaaS.

   2.3: Adopt a "cloud-first" approach for all future systems.

   - Operational transition/paradigm shift; continual

3. **Establish and maintain a technology refresh cycle based on acceptable industry criteria.**

   3.1: Define a standard for all hardware and software based on best practice and constituent feedback.

   3.2: Institute a refresh cycle for all institutional hardware, including faculty machines, classrooms, and classroom computer labs, administration/staff workstations, testing and open-use computer labs, and student service machines.

   - Planning phase – refresh start date scheduled for Summer 2024.

4. **Implement technology standards that promote best practices and enhance the security of all WCJC applications, equipment, and systems.**

> 4.1: Contract for a Cyber Security Manager to facilitate all security functions for the College, including system appraisals and compliance reporting.
>
> - Contract services in place as of August 2023.
>
> 4.2: Implement a recurrent process for conducting security risk assessments and remediation plans to improve the security of WCJC technological systems.
>
> 4.3: Develop a technology governance model that establishes standards of practice which bridge the gap between service and security.
>
> - Both items in planning stages to prepare for DIR bi-annual report in June 2024.

Information Technology Reliability Plan

Mission

The mission of the WCJC Department of Information Technology is to provide reliable, secure, and efficient technology services to the students, faculty, and staff of WCJC. We are committed to providing technological services that promote an enhanced educational experience for students, while ensuring that faculty, staff, and administration have the tools they need to stay competitive.

Alignment with the WCJC Mission and Strategic Plan

The mission of the WCJC Department of Information Technology is directly aligned with the WCJC Mission. Specifically, the WCJC Mission states that the College "encourages the innovative and effective use of technology to increase and enrich educational opportunities for students and the community".

Moreover, the goals of the Department are based upon the Priorities and Outcomes identified within the WCJC Strategic Plan, most notably Priority 4, Innovation and Institutional Excellence. This priority states:

> Outcome 4.1: Optimize the institution's IT capacity and capability to fully support college operations in a secure and efficient virtual environment.

> Outcome 4.2: Enhance the student experience through the optimization of our student information system and the implementation of new technologies that are responsive and nimble.

Development of the IT Reliability Plan

This IT Reliability Plan was developed following a comprehensive review of the WCJC IT organization, network infrastructure, enterprise system, hardware and software annual maintenance list, and all committee/council notes from the previous ten years within the institution's IT department. In addition, multiple external reports were considered, including:

- 2019 WCJC Technology Assessment conducted by True North Consulting Group;
- 2022 RockIT Infrastructure and Network Upgrade Three-Phase Proposal;
- 2022-2023 Banner proposals from various external companies;
- Various college/university IT Strategic and Refresh Plans; and
- Texas DIR and TX RAMP security requirements.

Priorities and Strategies

For the past decade, the WCJC Department of Information Technology has been in a state of reactivity and minimal maintenance. A significant investment into the WCJC IT infrastructure and enterprise system is required in order to move these environments to a state of reliability and security. This plan is designed to outline only those items that are "need-to-do", not items that are "nice-to-do". Following the realization of this initial plan, the institution will need to conduct additional assessments to develop a strategy for optimizing the technological standing of the College.

5. **Provide a reliable, secure, and efficient technology infrastructure.**

    1.1: Remediate infrastructure within all WCJC-owned buildings, including telecommunications rooms, internal cabling, network switches, and LAN access points.

    1.2: Refresh fiber optic cable outside plant to interconnect Wharton and Richmond Campus buildings.

    1.3: Establish a consolidated Data Center with single point-of-entry for all demarcation points/hubs.

    1.4: Convert all phone systems and internet services to a single-provider system through the Lonestar Education and Research Network.

6. **Optimize the WCJC enterprise resource planning system, Banner, to enable success among WCJC students, faculty, and staff.**

    2.1: Upgrade all systems to self-service Banner 9 and transition from an on-premise ERP environment to Ellucian Cloud.

    2.2: Maximize the use of Ellucian-based applications to improve the student experience and enhance business processes.

    2.3: Adopt a "cloud-first" approach for all future systems.

7. **Establish and maintain a technology refresh cycle based on acceptable industry criteria.**

    3.1: Define a standard for all hardware and software based on best practice and constituent feedback.

    3.2: Institute a refresh cycle for all institutional hardware, including faculty machines, classrooms, and classroom computer labs, administration/staff workstations, testing and open-use computer labs, and student service machines.

8. **Implement technology standards that promote best practices and enhance the security of all WCJC applications, equipment, and systems.**

    4.1: Contract for a Cyber Security Manager to facilitate all security functions for the College, including system appraisals and compliance reporting.

    4.2: Implement a recurrent process for conducting security risk assessments and remediation plans to improve the security of WCJC technological systems.

    4.3: Develop a technology governance model that establishes standards of practice which bridge the gap between service and security.

Priority 1: Infrastructure

Provide a reliable, secure, and efficient technology infrastructure.

The WCJC Department of Information Technology will maintain a reliable, secure and efficient technology infrastructure that provides a dependable foundation for the numerous information systems that utilize it. The College's technology infrastructure includes those components that permit WCJC students, faculty, staff, and administration to access our various systems. These infrastructure components include, but are not limited to, computers and laptops, servers, network cables and switches, wireless access points, routers, and firewalls.

This infrastructure is the foundation upon which all information systems are built and accessed; therefore, a reliable infrastructure is imperative to ensuring that these systems are supported with adequate power and bandwidth. Moreover, the technology infrastructure must be able to continue providing services in the face of disruptions, including power outages, natural disasters, and system upgrades. Finally, the College's technology infrastructure must meet rigorous security standards to ensure that WCJC systems and equipment are protected from unauthorized access.

Strategies:

1.1: Remediate infrastructure within all WCJC-owned buildings, including telecommunications rooms, internal cabling, network switches, and LAN access points.

1.2: Refresh fiber optic cable outside plant to interconnect Wharton and Richmond Campus buildings.

1.3: Establish a consolidated Data Center with single point-of-entry for all demarcation points/hubs.

1.4: Convert all phone systems and internet services to a single-provider system through the Lonestar Education and Research Network.

Strategy 1.1: Remediate infrastructure within all WCJC-owned buildings, including telecommunications rooms, internal cabling, network switches, and LAN access points.

WCJC Wharton Campus building remediation project conducted by RockIT Consulting.

Approved by the Board: September 2021

Project Timeline: November 2021 – September 2023

Total Cost: $750,000 (ARP Grant Funding)

Project Scope:

Building	Reterm	Cabinet	Cabling	AP	UPS	Switch	Fiber (See Strategy 1.2)
Administration	☑	☑	☑	☑	☑	☑	☑
Fine Arts	☑	N/A	☑	☑	☑	☑	🕐
Gymnasium	☑	☑	☑	☑	☑	☑	🕐
Johnson	☑	☑	☑	☑	☑	☑	🕐
LaDieu	☑	☑	☑	☑	☑	☑	🕐
Library	☑	N/A	☑	☑	☑	☑	☑
Peace	☑	N/A	☑	☑	☑	☑	🕐
Pioneer	☑	☑	☑	☑	☑	☑	🕐
Reynolds	☑	☑	☑	☑	☑	☑	🕐
Science	☑	☑	☑	☑	☑	☑	☑
Security	☑	N/A	☑	☑	☑	☑	☑

Status: **COMPLETED – September 2023**

Next Steps:

- Conduct similar assessment for Richmond Campus. Assessment and upgrade estimate is approximately $200,000 total. Target completion: FY 2025-26

- Establish a replacement schedule for all building infrastructure to prevent future backlog of end-of-life equipment. Replacement cycle start date: FY 2033

Strategy 1.2: Refresh fiber optic cable outside plant to interconnect Wharton and Richmond Campus buildings.
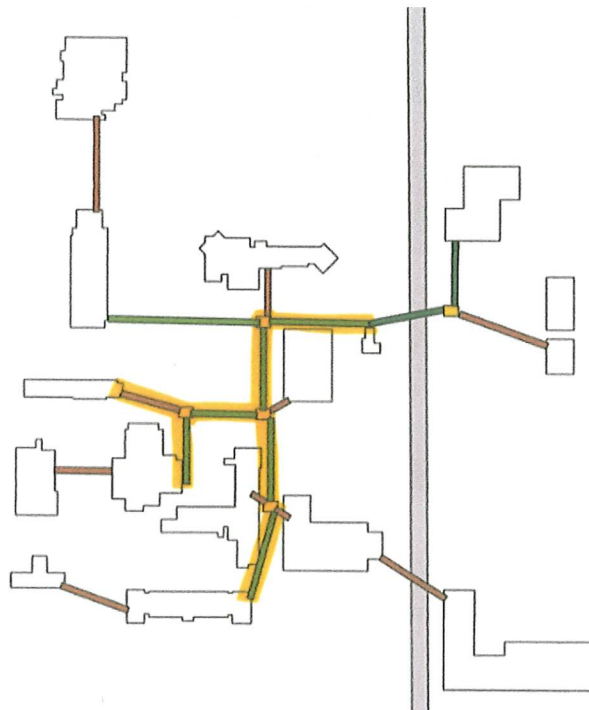
Phase I of the WCJC Wharton Campus fiber refresh project conducted by RockIT Consulting.

Approved by the Board:	February 2023
Project Timeline:	March 2023 – December 2023
Total Cost:	$150,000 (MIS Fund)

Project Scope:

A comprehensive, three-phase fiber refresh proposal was obtained by WCJC. For this item, Phase I was presented to the Board for consideration/approval.

The Phase I project scope included the upgrade to 12-strand, primary fiber installed from Security Building (internet demarc) to the Peace Building (data center), Library (fiber optic hub), Science Building, and Administration Building (telephone demarc).

Status: **COMPLETED – December 2023**

Strategy 1.2: Fiber Refresh (continued)

Current request:

Phase II of the WCJC Wharton Campus fiber refresh project conducted by RockIT Consulting.

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Submitted to the Board:	January 2024
Project Timeline:	March 2024 – October 2024
Total Cost:	$157,000 (ARP Funds); $5,000 contingency (2024 Budget)

Project Scope:

A comprehensive, three-phase fiber refresh proposal was obtained by WCJC. For this item, Phase II has been presented to the Board for consideration/approval.

The Phase II project scope includes the upgrade to fiber throughout the remainder of the Wharton Campus. This project will include those areas highlighted in blue on the campus map below. In addition, the remaining switch located in the Wharton Library will be relocated to the Security building.
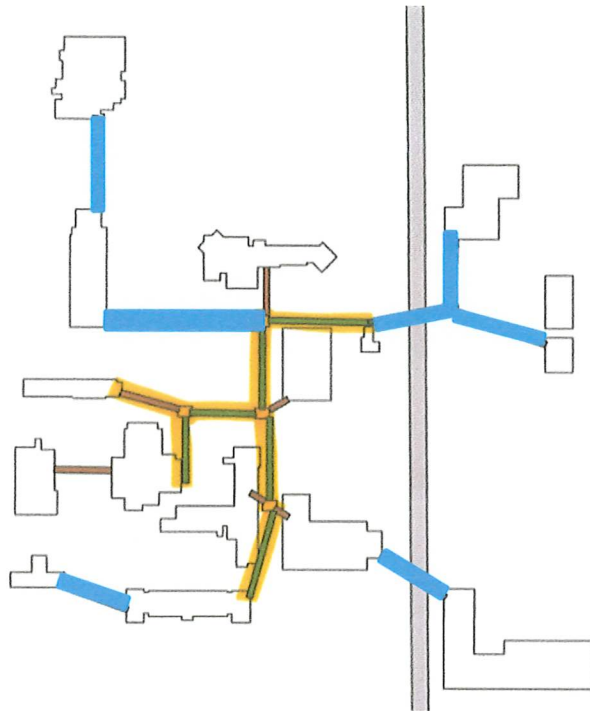
Status: **SUBMITTED FOR BOARD APPROVAL – January 2024**

Next Steps: Infrastructure refresh Phase III, Richmond Campus, including Richmond MDF upgrades and wireless and IDF network upgrades. Target completion: FY 2025-26

Strategy 1.3: Establish a consolidated Data Center with single point-of-entry for all demarcation points/hubs.

WCJC will transition from a dispersed data center model to a consolidated Data Center for all infrastructure management.

Approved by the Board:	Not applicable
Estimated Project Timeline:	18 – 24 months
Estimated Cost:	Highly variable

Project Scope:

At present, WCJC does not have a centralized Data Center. Instead, the institution's various demarcation points are distributed across the campus, creating the potential for multiple points of failure for the campus network. Centralized, redundant systems are best practice in the field and should be considered a priority in the future infrastructure plans for the College.

Costs associated with this item are highly variable and depend on numerous factors, including:

- Designation of space and whether to renovate an existing location or to build new.

- The location of the Data Center will determine which demarcation points are relocated. The cost for relocating each will vary greatly depending on the new location and demarc being moved.

- Following conversion to Ellucian Cloud, an assessment of physical server needs will be conducted. Any remaining servers should then be consolidated, upgraded, and duplicated to ensure redundancy of systems.

Next Steps:

- Identify comprehensive Data Center needs following Wharton Campus infrastructure upgrade and transition to Banner SaaS.

- Consult with network team to determine optimal equipment, location, and layout.

Status: **POTENTIAL FUTURE PROJECT (FY 2026-27)**

Strategy 1.4: Convert all phone systems and internet services to a single-provider system through the Lonestar Education and Research Network.

Transition to LEARN for the provision of phone/internet services has been approved and is in progress.

Approved by the Board:	January 2023
Project Timeline:	March 2023 – March 2024
Total Cost:	$260,000/year (Operating Budget – equates to $48K annual savings)

Project Scope:

This project will transition WCJC to using a single system for the provision of all telephone and internet services. Reduction in the number of contracts/partnerships will result in significant cost savings and reduce the potential for outages/failures. This transition will provide WCJC with a dedicated, optical network that boasts a 99.99% uptime.

Wharton County Junior College
GTT-LEARN WAN Design
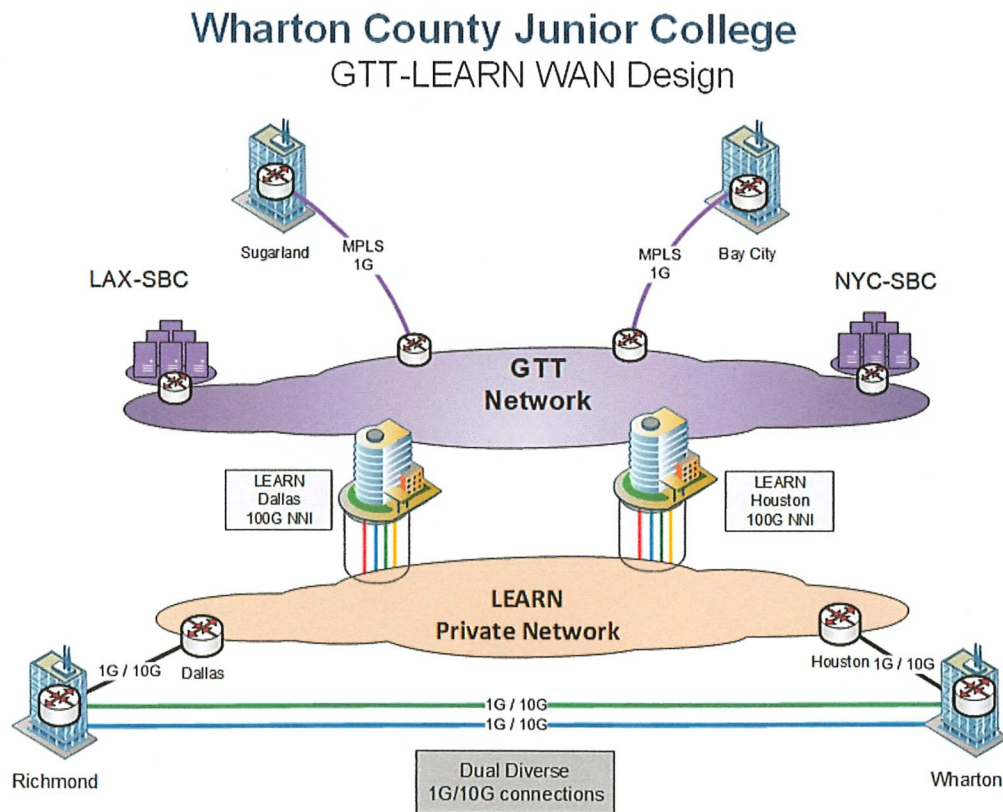
Status: **IN PROGRESS; ON SCHEDULE FOR COMPLETION IN MARCH 2024**

Priority 2: Enterprise System (Banner)

Optimize the WCJC enterprise resource planning system, Banner, to enable success among WCJC students, faculty, and staff.

The College will continually improve its enterprise resource planning (ERP) system, Banner, to support and improve the College's business processes. The College's ERP system, Banner, serves as the central tool through which all business processes at WCJC are executed. This includes all student information storage and retrieval, financial aid data, business office processes for the collection and calculation of all revenues and expenditures, payroll and benefits tracking, etc. All operations within the College are reliant on the ERP which currently requires a high level of on-premise hardware, along with highly-trained staff in order to keep the system operational. It is imperative that the College transition from a reactive and maintenance-based operation of our ERP to an innovative and nimble system.

Strategies:

2.1: Upgrade all systems to self-service Banner 9 and transition from an on-premise ERP environment to Ellucian Cloud.

2.2: Maximize the use of Ellucian-based applications to improve the student experience and enhance business processes.

2.3: Adopt a "cloud-first" approach for all future systems.

Strategy 2.1: Upgrade all systems to self-service Banner 9 and transition from an on-premise ERP environment to Ellucian Cloud.

The upgrade to Banner 9 and subsequent transition to Ellucian Cloud is being proposed as part of the May 2023 Board agenda.

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Presented to the Board:	May 2023
Project Timeline:	July 2023 – February 2025
Total Cost:	$1.2M implementation (MIS Fund); $575,000/year (Operating Budget)

Project Scope:

This project will result in an upgrade of the WCJC ERP, Banner, to the most recent version (Banner 9), protecting WCJC from future vulnerabilities when the current instance (Banner 8) is no longer supported. In addition, this project will transition WCJC to a cloud-based environment and managed service, providing enhanced security, support, and uptime.

The projected implementation timeline is 18 months, consisting of four phases:
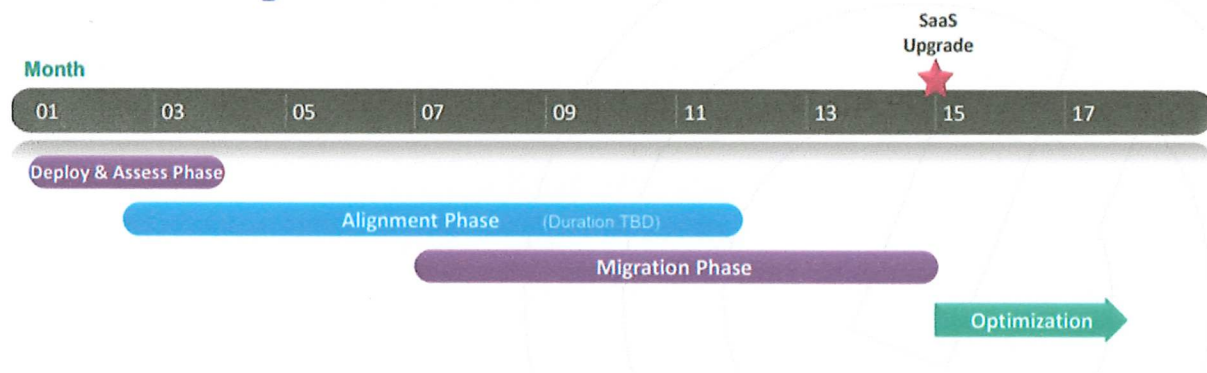
1. *Deploy and Assess:* Inventory, evaluate, and build roadmap for migration.
2. *Alignment:* Client and Ellucian address non-SaaS functions.
3. *Migration:* Test migration process and validate operations.
4. *Optimization:* Implement new features and products.

Status: IN PROGRESS; ON TARGET FOR COMPLETION FEBRUARY 2025

Strategy 2.2: Maximize the use of Ellucian-based applications to improve the student experience and enhance business processes.

Approved by the Board:	Not applicable
Project Timeline:	FY 2025 – 2026 (onward)
Total Cost:	Not applicable

Project Scope:

The transition to Ellucian Cloud will provide WCJC with the ability to readily adopt Ellucian modules and applications in the future without the need for additional on-site servers, subscription fees, or IT personnel.

Status: **FUTURE PROJECT (FY 2025-26)**

Strategy 2.3: Adopt a "cloud-first" approach for all future systems.

The College will adopt a cloud-first approach towards new or upgraded information systems as well as infrastructure components, where applicable.

Approved by the Board:	Not applicable
Project Timeline:	FY 2024 (onward)
Total Cost:	Not applicable

Project Scope:

All future adopted technologies will need to be approved through the WCJC IT governance model (see Strategy 4.3 below). This approval process will involve the review of technologies to ensure that they are able to be implemented as a Software-as-a-Service (SaaS) solution. If this is not possible, the College will seek to host the system or technology as an Infrastructure-as-a-Service (IaaS) solution.

Establishing a cloud-first approach across the institution will increase the security of our various systems, while also reducing the financial liability of continued on-premise servers and data back-ups. In addition, SaaS-based solutions will more readily integrate with our ERP once it has been transitioned to a cloud-based environment.

Status: **IN PROGRESS (ONGOING); OPERATIONAL TRANSITION**

Priority Three: Refresh Cycle

Establish and maintain a technology refresh cycle based on acceptable industry criteria.

The College will establish a standard replacement lifecycle for all technology, thereby allowing for continual refresh of all hardware and the ability to support current systems. A cyclical, disciplined refresh strategy is essential to ensuring that WCJC classrooms, computer labs, and faculty workstations are able to support current operating systems, thereby creating an online learning environment that supports instructional quality and student success. A comprehensive lifecycle plan will also allow WCJC to update administrator/staff equipment, thereby increasing the quality of service provided to the campus community.

Strategies:

3.1: Define a standard for all hardware and software based on best practice and constituent feedback.

3.2: Institute a refresh cycle for all institutional hardware, including faculty machines, classrooms, and classroom computer labs, administration/staff workstations, testing and open-use computer labs, and student service machines.

Strategy 3.1: Define a standard for all hardware and software based on best practice and constituent feedback.

WCJC will establish a defined standard for all hardware and software that is monitored/updated on an annual basis. All purchases of equipment will be processed through the WCJC IT Department and must align with the established standards.

Approved by the Board:	Not applicable
Project Timeline:	FY 2024 (onward)
Total Cost:	Not applicable

Project Scope:

In FY 2024, the newly-revamped Technology Advisory Council will establish clear technology standards for all technology purchases. Hardware standards will be applied when procuring desktops and laptops, while software standards will be applied when deploying new employee workstations. These standards will be enforced throughout the refresh lifecycle (see Strategy 3.2 below). This standard will be regularly reviewed and updated based on best practice and acceptable industry standards.

In addition, the WCJC IT Department will work with representatives from the various units in and across Academic Affairs to define a standard for equipment deployed to all classrooms and labs, such as projectors, screens, instructor/podium computers, and video conference equipment.

Finally, the WCJC Department of Information Technology will define a standard for the configuration of all servers deployed within the College's infrastructure. This standard will be regularly updated as technology changes. A system will be created to determine the capacity to move applications to a cloud-based server or remain on-premise based on the capability of the individual system.

Next Steps:

- Review the composition of the WCJC Technology Advisory Council and make updates to membership, as needed.
- Research an initial list of standards based on best practice and peer institutions.
- Convene the WCJC Technology Advisory Council in Fall 2023 to establish a common set of hardware and software standards to be approved by the WCJC Executive Cabinet and Board.

Strategy 3.2: Institute a refresh cycle for all institutional hardware, including faculty machines, classrooms, and classroom computer labs, administration/staff workstations, testing and open-use computer labs, and student service machines.

The WCJC Department of Information Technology will maintain a complete inventory of all technological equipment currently deployed across the College and create a comprehensive replacement lifecycle for all technology.

Presented to the Board:	Not applicable
Project Timeline:	Phase I: Summer 2024; continual based on a five-year cycle
Total Cost:	$2,500,000 over five years

Project Scope:

Based on an inventory assessment conducted in Fall 2022, WCJC maintains approximately $2.5M in total technology assets, including all employee workstations, classrooms, and computer labs. Of this inventory, two-thirds (67%) is over 5 years old, with approximately 10% of assets over 10 years old. Computers and laptops that are 6 years old (or greater) will not support Windows 11 and, therefore, should be replaced to prevent significant security threats to our network.

To avoid a future backlog of end-of-life technology, it is imperative that WCJC establishes a refresh cycle for all equipment. This will promote a disciplined approach to ensure that WCJC hardware is secure, capable of being upgraded/maintained, and meeting the needs of faculty, staff, and students.

At present, WCJC does not actively budget for the refresh of institutional machines and, instead, periodically requests transfers from the MIS Fund to replace computers on an emergent-need basis. This practice is not sustainable and is the cause for such significant levels of end-of-life machines across the College.

A refresh cycle of five years will require an approximate investment of $500,000 per year. It is vital to the future of the institution that a budget process be developed for the ongoing replacement of College hardware.

Next Steps:

- Establish a recurrent budget to be allocated toward the replacement lifecycle.
- Identify initial cadre of machines in need of replacement and obtain price quotes from appropriate vendors.
- Initiate Year 1 of the WCJC Refresh Plan effective Summer 2024.

Priority Four: Cyber Security

Implement technology standards that promote best practices and enhance the security of all WCJC applications, equipment, and systems.

To properly protect its information systems, the College will implement cyber security best practices that align with all Texas DIR requirements. Potential threats to WCJC technology systems include malware or ransomware attacks, environmental disruptions and natural disasters, human or machine errors, and structural failures. Risk assessments will be performed on new and existing assets, both physical and digital, to identify these threats and mitigate vulnerabilities within our systems.

Strategies:

4.1: Contract for a Cyber Security Manager to facilitate all security functions for the College, including system appraisals and compliance reporting.

4.2: Implement a recurrent process for conducting security risk assessments and remediation plans to improve the security of WCJC technological systems.

4.3: Develop a technology governance model that establishes standards of practice which bridge the gap between service and security.

4.1: Contract for a Cyber Security Manager to facilitate all security functions for the College, including system appraisals and compliance reporting.

The WCJC IT department will continue to use staff augmentation services for cyber security.

Presented to the Board:	September 2023
Project Timeline:	Cyber Security Staff Augmentation
Total Cost:	$90,000 / year (Operating Budget)

Project Scope:

The WCJC IT department will continue to use staff augmentation services for cyber security. The College has contracted with Strata Information Group for a Cyber Security Manager to oversee all cybersecurity processes within the institution, ensure compliance with federal and state regulatory requirements, and conduct regular risk assessments for our WCJC systems. This position will be responsible for ensuring that the College implements cyber security best practices and will provide quarterly reports detailing potential threats and appropriate mitigation techniques.

At this time, no additional costs are expected; however, funds may be required in the future based on findings from risk assessments and a review of best practice within the industry. Moreover, special considerations, such as changes in firewall capabilities, the number of on-premise devises, and the potential need for security insurance could result in the need for increased funding for this item in the future.

4.2: Implement a recurrent process for conducting security risk assessments and remediation plans to improve the security of WCJC technological systems.

4.3: Develop a technology governance model that establishes standards of practice which bridge the gap between service and security.

Cybersecurity Roadmap

The below table outlines a roadmap of key activities that will help in strengthening Wharton County Junior College's security posture. The timeline is based off knowledge that was acquired through discussions with the WCJC security team. This timeline reflects estimates that are to be used for discussion purposes. These are subject to change based on resource availability at WCJC along with priorities of the college and security team.

Key Activity	Near Term (3 months)	Medium Term (6 months)	Long Term (6-12 months)
Remediate Unitrends backup issues	1 Month		
Develop written Biennial Information Security Plan (DIR 202)	3 Weeks		
Develop policy documentation (FTC/DIR 202)	1 Month		
Review what is not performed in policies (FTC/DIR 202)	1 Week		
Create data map with security controls (DIR 202)	1 Month		
Encrypt laptops with BitLocker (FTC/DIR 202)	2 Weeks		
Develop formalized risk assessment program (FTC/DIR 202)	3 Months		
Develop annual report for management (FTC/DIR 202)		2 Weeks	
Create Incident Response Plan (FTC/DIR 202)		2 Weeks	
Implement TPRM program (FTC/DIR 202)		2 Months	
Implement change management procedures (FTC)		2 Weeks	
Create software inventory			1 Month
Create hardware inventory			1 Month
Assess firewalls to ensure alignment with best practice			3 Weeks
Review Azure security settings with team			2 Weeks
Review logging options			2 Weeks
Review cloud use and systems			3 Weeks
Expand the use of MFA to key areas			2 Months

Wharton County Junior College

Investment Overview

Prior Investments

Priority Item	Amount	Source
Priority 1: Infrastructure		
Wharton Campus Building Remediation	$750,000	ARP Grant (FY22-23)
Fiber Refresh (Phase I – Wharton Primary Fiber)	$150,000	MIS Fund (FY23)
Phone/ Internet Service Provider Conversion	$260,000/year	Operating (FY23)
Priority 2: Enterprise System		
Banner 9 SaaS Migration	$1,200,000	ARP Grant (FY24), MIS Fund (FY24/25)
Priority 3: Institutional Refresh Plan		
Computer Lab Upgrade	$65,000	MIS Fund (FY23)
Priority 4: Cyber Security		
Contract Cyber Security Services	$90,000/year	Operating (FY24)
Firewall Upgrade	$37,000/year	Operating (FY23)
Vulnerability Scanning Software	$3,300/year	ARP Grant (FY24)

Future Investments[1] Needed

Priority Item	Amount
Priority 1: Infrastructure	
Fiber Refresh (Phase II – Wharton Peripheral Fiber)	$160,000
Richmond Campus Building Remediation	$200,000
Fiber Refresh (Phase III – Richmond MDF)	$250,000
Fiber Refresh (Phase III – Richmond IDF)	$230,000
Data Center	Variable
Priority 2: Enterprise System	
Database Administrator Support Services	$125,000/year[2]
Priority 3: Institutional Refresh Plan	
Institutional Refresh Plan	$250,000/year
Priority 4: Cyber Security	
None currently planned	--

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[1] Investments indicated are beyond the scope of the IT annual budget and will require Board approval.
[2] Investment will be needed until the Banner 9 SaaS migration has been completed.