Digital Fluency

Innovation

Resources

Communication

Flexibility

Sustainability

Technology Master Plan

Mid-Term Report
July 2014-June 2017

ALLAN HANCOCK COLLEGE
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Technology Master Plan Update

The Technology Council (TC) is responsible for the Technology Master Plan (TMP). The TMP is a 6-year plan and is subject to a complete revision every 6 years. For the years when the plan is not undergoing a major revision, the TC will review the TMP and document updates and accomplishments as appropriate. These updates will be based upon completed technology related projects, input from the Planning retreat, technology needs identified in program reviews, and new technology advances and trends.

This document reflects accomplishments and updates for the July 2014 through June 2017 time period.

Goal 1 – Innovation in a digital age

Provide an environment that fosters creative and innovative uses of technology, and meet the requirements of learning in a digital age.

Accomplishments	Description	Completion Date	Council/Committee/Dept. Oversight
Video Streaming	Improved video streaming equipment for major events such as graduations and forums.	April 7, 2015	Technology Advisory Committee (TAC)
Student Ambassador tablets	Distributed low-cost mobile tablets (Dell Venue) to assist students.	March 7, 2016	Technology Advisory Committee (TAC)
Ask Spike	Launched virtual Agent self-service solution that delivers accurate answers to student questions. www.247-inc.com	May 23, 2016	Web Services Committee
Canvas	Implemented new online Learning Management System.	Pilot – summer 2016 Completely replace Blackboard – Winter 2017	Distance Learning Committee
iPads for English classes	Started as a pilot in 2013. Installed new generation of iPads with Inspiration software.	February 28, 2017	Technology Advisory Committee (TAC)

Goal 2 – Reliable and secure

Have technology systems that are reliable and secure.

Accomplishments	Description	Completion Date	Council/Committee/Dept. Oversight
Standards			
Dell Server refresh	Implemented forty new virtual servers to address obsolescence, server management, security, and expanded capacity.	December 31, 2015	Banner Steering Committee
Microsoft Windows desktop refresh	Replaced all Windows XP computers to address obsolescence, security, and performance.	Spring 2017	Technology Advisory Committee (TAC)
Dell computer quote new format	Reformatted standard quote to one page to improve readability and accuracy of purchase requisitions.	May 3, 2016	Technology Advisory Committee (TAC)
Reliability/Security			
RAVE Mobile Safety	Implemented mass emergency messaging system.	June 4, 2015	Web Services Committee
HP Core switch	Replaced obsolete core switch to improve network reliability, security, and performance.	June 2, 2015	Information Technology Services department
Kemp Load Balancer	Replaced old load balancer to support new encryption standards in upgraded browsers: TLS 1.1 and 1.2.	September 4, 2015	Information Technology Services department
Remote Access control	Updated remote access request process and removed obsolete accounts.	October 16, 2015	Information Technology Services department
Aruba wireless switch upgrade	Upgraded wireless switch to support 802.11ac for faster, more scalable wireless.	December, 16 2015	Information Technology Services department

Accomplishments	Description	Completion Date	Council/Committee/Dept. Oversight
Security Review	Palo Alto Networks conducted security review of network and issued report.	November 2016	Information Technology Services department
UPS for network switches refresh	Replaced failing uninterruptible power supplies (UPS) to ensure VoIP phone service during power outages.	December 2016	Information Technology Services department
Homeland Security Site Assessment	Participated in review by Homeland Security.	December 15, 2016	Facilities Council
OU Alert	Added emergency alert announcement bar to Hancock public web site	March 20, 2017	Web Services Committee
Physical Security			
Blue emergency phone repairs	Repaired Blue emergency talk-phones at the LVC and SM campus.	October 2015	Information Technology Services department
Disaster Recovery			
Daily backups to oversite location	Completed transition from Commvault tape backup system to Veeam to support daily disk-to-disk backups to the LVC.	September 2016	Information Technology Services department

Goal 3 – Digital Fluency

Support digital fluency and information literacy among faculty and staff through training to enhance their professional activities and enrich student learning.

Accomplishments	Description	Completion Date	Council/Committee/Dept. Oversight
Office 365 for students	As part of district Microsoft agreement, offered Office 365 free to all students for their personal devices.	August 18, 2015	Web Services Committee
Canvas 24/7 support	Contracted for 24/7 phone and online student and teacher support from Instructure.	June 13, 2016	Distance Learning Committee
Canvas training	In person and online training provided to instructors using Canvas.	June 2016 (started)	Distance Learning Committee
Professional Learning Network (Lynda.com)	Unlimited access for all employees to Lynda.com through the Professional Learning Network funded by the Institutional Effectiveness Partnership Initiative (IEPI).	August 2, 2016	ONESolution Steering Committee
Office 365 for employees	As part of district Microsoft agreement, offered Office 365 free to all employees for their personal devices.	January 13, 2017	Web Services Committee
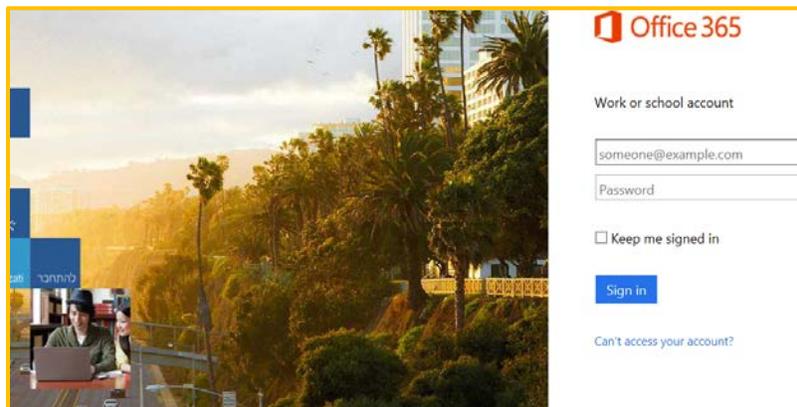
Goal 4 – Technology Resources

Provide students with access to and knowledge about technological resources across all social, economic, and physical barriers so they may become responsible and well-prepared digital citizens.

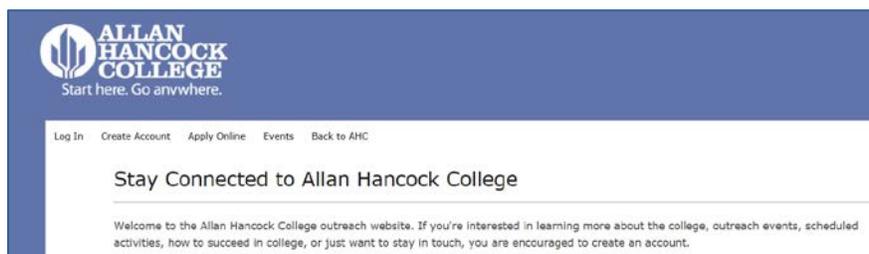| Accomplishments	Description	Completion Date	Council/Committee/Dept. Oversight
Computer Labs			
Rosetta Stone site license	A site license was purchased through the AIM grant to enable access to Rosetta Stone in the language lab and Community Ed labs.	September 2015	AIM Grant
SM CRC relocated	Santa Maria computer resource center (CRC) moved to the open access computer lab (OACL) with longer hours and available support staff.	Winter 2016	Facilities Council
LVC CRC relocated	LVC computer resource center (CRC) moved to the LVC library with longer hours and available support staff.	July 2016	Facilities Council
CARE/CalWORKs laptops lending			
Trio CAN laptops for students	The laptop lending program was expanded to include CAN students.	Spring 2016	Student Services Council
LAP Technology and Assistive Equipment Lending Library			
LAP software on all student computers	LAP standard software provided through a site license and included on all student computers.	Summer 2014	Technology Advisory Committee (TAC)
Bookstore and Digital Content			
Bookstore outsourced to Follett eFollett.com	The bookstore was outsourced to Follett. Their website contains a link to digital aids and content: http://content.efollett.com/digital/.	April 14, 2016	Special Task Force
Open Educational Resources presentation	At the Planning Retreat, a presentation on Open Educational Resources was given by Academic President Marla Allegre.	February 24, 2017	Institutional Effectiveness Committee
Intellus Learning	A platform to provide additional educational resources for Canvas classes.	June 1, 2017	Student Learning Council

Goal 5 – Assessment of student performance

Invest in technologies that facilitate assessment of program, course, and student performance.

Accomplishments	Description	Completion Date	Council/Committee/Dept. Oversight
Tableau in-house server	Tableau server installed on premise to enable the availability of current and more complete data.	June 21, 2016	Institutional Effectiveness Committee
Priority registration	Improved logic so priority reflects student's current status.	April 1, 2016	Banner Steering Committee
Early Alert system	A web-based referral form and training launched.	February 15, 2017	Student Services Council
eLumen training	eLumen training sessions are offered as needed for new faculty.	On going	Learning Outcomes & Assessment Academic Affairs Committee (LOAC-AA)
Chromebook Windows notebooks	Implemented the use of Chromebooks for Comprehensive Adult Student Assessment Systems (CASAS) testing of ESL students.	Spring 2017	Community Education and Adult Education Block Grant (AEBG) from AB86
TOPSpro Enterprise	Used to track assessment data for reporting of Basic Skills, ESL, and GED.	Pilot Summer 2016 Completion Summer 2017	Community Education and Adult Education Block Grant (AEBG) from AB86

Goal 6 – Communication and civic engagement

Promote technologies that facilitate communication between and within groups in the campus community, and encourage public life and civic engagement.

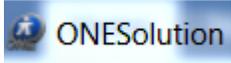| Accomplishments	Description	Completion Date	Council/Committee/Dept. Oversight
RAVE Mobile Safety	Implemented mass emergency messaging system that includes texting and multiple personal email addresses.	June 4, 2015	Web Services Committee
Community Ed website redesigned	The Community Education website was redesigned for better communication.	June 11, 2015	Web Services Committee
Virtual Tour map	Implement the NuCloud web-based virtual tour map of the Santa Maria campus.	December 23, 2015	Web Services Committee
Text Message numbers collected	New CCCApply for admission application includes option for text numbers.	June 6, 2016	Banner Steering Committee
Mega menu for public website	Implemented the mega menu to improve navigation on home page of public website.	September 2016	Web Services Committee
Expanded email and text messaging to students	Implemented new messaging software to inform students all drops.	February 14, 2017	Banner Steering Committee
CRM Recruit	Launched a web-based communication product for outreach and event notifications.	February 24, 2017	Banner Steering Committee
Qualtrics survey	Online survey software for research not related to evaluations.	August 2016	Institutional Effectiveness department

Goal 7 – Compatibility and integration

Strive for compatibility and integration of information technology applications and systems.

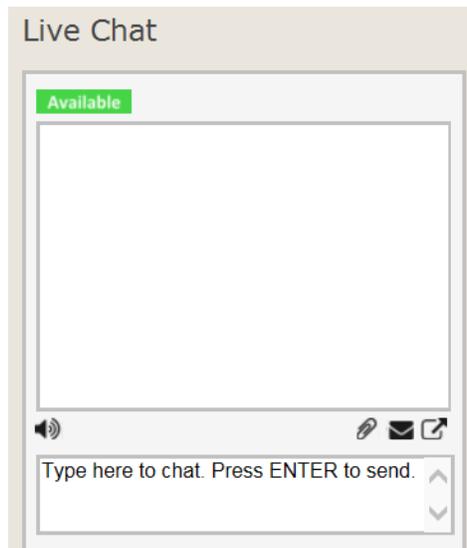| Accomplishments	Description	Completion Date	Council/Committee/Dept. Oversight
TouchNet Payment Gateway	Implemented new Payment Center with real-time integration with Banner.	August 31, 2016	Banner Steering Committee
TouchNet Payment Plans	Payment Plans set-up for: • Retiree Insurance • Part-Time Faculty Insurance • Board of Trustee insurance	March 2017	Banner Steering Committee
eLumen/Canvas interface	Implemented programmatic interface to enable faculty to directly access eLumen from Canvas.	Spring 2017	Learning Outcomes & Assessment Academic Affairs Committee (LOAC-AA) and Learning Resource department
Financial Systems			
Professional Development online enrollment	Launched ONESolution online professional development application.	October 3, 2014	ONESolution Steering Committee
Online leave report	Improved ONESolution Employee Online Leave Report request to email pdf report to employee.	March 1, 2016	ONESolution Steering Committee
Payroll Services			
Escape payroll system	Completed transition from SB county system to Escape payroll system. This system is not integrated with other AHC systems.	July 2015	ONESolution Steering Committee
Updates			
ShoreTel phone system	Upgraded to version 14.2.	January 19, 2015	Information Technology Services department
Xtender imaging system	Upgraded to version 7.	August 3, 2016	Banner Steering Committee
NoHo Children's Center system	Moved to cloud hosted version.	March 25, 2015	Information Technology Services department

Accomplishments	Description	Completion Date	Council/Committee/Dept. Oversight
ONESolution system	Upgraded to version 15.1. Upgrade to version 16.1. Install hot fixes to 16.1.	June 24, 2015 July 22, 2016 March 30, 2017	ONESolution Steering Committee
Banner system	Upgrades to version 8.	February 20, 2015 March 26, 2015 June 2, 2015 July 23, 2015 October 16, 2015 February 19, 2016 March 21, 2016 October 28, 2016 March 20, 2017 June 16, 2017	Banner Steering Committee
Aruba wireless switch	Upgraded to version 6.3. Upgraded to version 6.4.	February 12, 2015 December 16, 2015	Information Technology Services department
Palo Alto Firewall	Upgraded to 6.0.	Winter 2016	Information Technology Services department
eLumen upgrade	eLumen was upgraded to version 6.5.	Fall 2016	Institutional Effectiveness department
CurricUNET upgrade to Meta version	CurricUNET online curriculum management system was moved to the META version. The new version has a more intuitive, user-friendly interface and enables the creation and modification of both curriculum and programs.	Spring 2017	Academic Policies & Planning (AP&P) Committee

Goal 8 – Distance learning and online student success

Enhance distance learning activities and support for online student success.

Accomplishments	Description	Completion Date	Council/Committee/Dept. Oversight
Cynosure Online Orientation	Launched a web-based online orientation program integrated with Banner.	February 17, 2015 April 5, 2016 (update)	Student Success & Support Program and Student Equity Committee
Canvas	Conducted pilot in summer 2016. Completed transition from Blackboard to Canvas in Winter 2016.	December 2016	Distance Learning Committee
Library Live Chat	Implemented LibraryH3lp to give students the option of an online live chat with a librarian.	February 2016	Web Services Committee

Goal 9 –Needs of students, faculty, and staff

Ensure that the procurement and implementation of technologies is consistent with and responsive to the input and needs of students, faculty, and staff.

Accomplishments	Description	Completion Date	Council/Committee/Dept. Oversight
Surveys			
Focus group for online catalog	Held focus group with students, counselors, and staff to design new online catalog.	September 9, 2015	Web Services Committee
Feedback from library loaner program	Used feedback comments from library employee loaner program to replace touch screen laptops with non-touch screen.	October 10, 2016	Technology Advisory Committee (TAC)
Smart Classrooms			
Installation of smart classrooms	Installed 8 smart classrooms on the Santa Maria Campus and upgraded 7 classrooms at the LVC to comply with the district's Audio Visual System standard.	Between fall 2015 and spring 2017.	Technology Advisory Committee (TAC)
Wireless Network			
Installed twenty additional wireless access points (AP)	Reviewed the coverage areas of current APs and selected locations without coverage based upon student needs.	October 28, 2016	Technology Council
Accessibility			
Implemented Siteimprove	Purchased subscription to Siteimprove to identify and assist correcting non-compliance issues in Hancock public website.	June 10, 2016	Web Services Committee
LAP software on all student computers	LAP standard software provided through a site license and included on all student computers.	Summer 2014	Technology Advisory Committee (TAC)

Goal 10 – Academic freedom

Ensure that the implementation of technology is consistent with the goals of academic freedom.

Accomplishments	Description	Completion Date	Council/Committee/Dept. Oversight
Updated BP/AP 3720 Computer and Network Use	Updated BP/AP 3720 Computer and Network Use in collaboration with Academic Senate to ensure it did not infringe upon Academic freedom.	May 10, 2016	Technology Council
Website block control	Published how faculty can directly ask for a website to be unblocked.	September 29, 2016	Technology Council

Goal 11 – Maximize flexibility

Maximize individual flexibility and choice regarding when, where, and how instructional activities and support services can be accessed and used effectively.

Accomplishments	Description	Completion Date	Council/Committee/Dept. Oversight
DegreeWorks	Enhanced the student education-planning product with scribe changes for transfer degrees, changes to tie majors to students, dynamic refresh of student data from Banner, and additional reports for enrollment management.	July 2014 – June 2017	Student Services Council
Multi-term registration	Modified Banner and jobs such as Drop-for-nonpayment to enable multi-term registration.	April 14, 2015	Multi-term Registration task force under Student Services Council
eSARS	Launched online system for students to schedule appointments with counselors.	February 2015	Student Services Council
SARS Anywhere	Launched SARS Anywhere for easy to use scheduling system for student services staff.	December 18, 2015	Student Services Council
CCCApply	Switched to statewide admission application.	June 6, 2016	Banner Steering Committee

Goal 12 – Sustainability plan

Develop a sustainability plan for technology that includes infrastructure, annual replacement needs, and ongoing costs; and minimizes the district's cost when bond funding ceases.

Accomplishments	Description	Completion Date	Council/Committee/Dept. Oversight
Recycling/Repurposing			
Dell Asset Recovery program	Participated in Dell Asset recovery program that recycles used computers.	Sept 9, 2014 (10.C.) Nov 18, 2014 (10.C.) Feb 17, 2015 (11.D.) April 21, 2015 (11.C.) May 19, 2015 (11.B.) Sept 8, 2015 (11.C.) March 8, 2016 (11.B.) July 12, 2016 (11.E.) Dec 13, 2016 (12.B)	Board of Trustee agenda items
Replacements			
District funding for technology	2017/2018 tentative budget included technology reserve funds.	June 13, 2017	Budget Council
Total Cost of Ownership (TCO)			
Standardization of equipment	Expanded the number of standard quotes to include needs such as all-in-one printers and color printers.	Various	Technology Advisory Committee (TAC)
Grants and Donations			
Rabobank computer donation to AHC	Rabobank donated used Dell computers to industrial technology department for use in the electronics Lab.	July 12, 2016	Board of Trustees agenda item 11.D.
Excess Equipment			
AHC donation to Olive Grove Charter School	IT Services department donated surplus Dell laptops to Olive Grove Charter School in New Cuyama, CA.	October 11, 2016	Board of Trustees agenda item 11.C.

Appendix A – Technology Council Members

Members of the Technology Council		
2016-2017	**2015-2016**	**2014-2015**
Co-chairs: 　Carol Van Name 　Alberto Restrepo	Co-chairs: 　Carol Van Name 　Alberto Restrepo	Co-chairs: 　Carol Van Name 　Alberto Restrepo
Note taker: 　Melinda Martinez	Note taker: 　Melinda Martinez	Note taker: 　Melinda Martinez
Management: 　Will Bruce	Management: 　Will Bruce	Management: 　Will Bruce
Supervisory/Confidential: 　Linda Shelby	Supervisory/Confidential: 　Linda Shelby	Supervisory/Confidential: 　Linda Shelby
Faculty Association: 　Julie Vasques	Faculty Association: 　Kate Adams	Faculty Association: 　Kate Adams
PFA: 　David Yundt	PFA: 　David Yundt	PFA: 　Danielle Blanchard/ 　Nahid Loghmani
CSEA: 　Robert Nourse	CSEA: 　Robert Nourse	CSEA: 　Robert Nourse
ASBG: 　Jeremy Davis/Liz Pompa	ASBG: 　Benjamin De Bruin	ASBG: 　Rhonda Cannon
Other Contributors: Nancy Meddings Fred Patrick		

Appendix B – Revision History

Date	Event
July 22, 2014	Technology Master Plan presented as an action item to Board of Trustees for approval
May 13, 2016	First annual Technology Summit
May 12, 2017	Second annual Technology Summit
Future	
June 2017	Technology Plan update published
Summer 2017	Technology Master Plan Mid-Term Report information item on College Council agenda
Summer 2017	Technology Master Plan Mid-Term Report information item on Board of Trustees agenda

Appendix C – Technology Initiatives

Funding Initiative

Recent Actions:

Technology Funding

Measure I Technology and Instructional Equipment Modernization funds
- Measure I included the provision for $1,180,000 per year for 10 years
- The Technology Advisory Committee (TAC) oversaw these funds to ensure that the uses met the criteria in the bond measure and that the funds were being distributed equitably.
- The VP of Administrative Services and the Technology Advisory Committee (TAC) agreed to reduce the allocation to $820,000 per year in 2013/2014 to stretch the funds until June 2017.
- There is approximately $100,000 remaining in these funds as of June 2017 to be used to upgrade Banner to version 9.

Instructional Equipment
- Although technology for instructional use has been a part of the Physical Plant and Instructional Support funding program, it is recognized that with the loss of the TAC funds, more technology will need to be purchased through this funding source.
- This funding can also be used for upgrades of telecommunications and information technology infrastructure.

Student Success and Support and Student Equity
- These funding sources have provided technology funding for innovations to support student success and equity such as CCCApply and Online Orientation.
- These programs also provided technology to support counselors, student services staff, and students.

CTE/Perkins
- This source of funding is restricted to career and technical education programs. Technology used in these programs can be funded by this source.

District - Unrestricted
- The existing District budget program for on-going technology licenses, subscriptions, hosting fees, and maintenance with a five-year outlook is reviewed annually by the Budget Council. When new major technology is purchased, the total cost of ownership (TCO) must include the ongoing costs. If the funding source for this ongoing cost is this district technology budget, an Augmentation Request must be submitted for review and approval through the budgeting process.
- **OPEB – Other Post-Employment Benefits** in 2014/2015 moved from a locally restricted account to an irrevocable trust. The plan will be fully funded in July 2017. See Budget Council report of September 19, 2016, for FT 2017/18 Income and Expenditure

Assumptions. As a partial replacement for the Measure I TAC funds, $325K of the funding formerly used to fund OPEB will be reallocated for technology infrastructure and the replacement of aging and non-functional technology equipment.

Restricted Lottery
- This source of funding can be used to fund software that is directly used by students such as DeepFreeze and Turnitin. It cannot be used for equipment.

Strong Workforce Program

- The "Strong Workforce Program," is an initiative aimed at boosting the number of skilled workers produced by community colleges. The funding for this program must be used to expand career technical education programs so they can add new career pathways, increase faculty, strengthen curriculum and improve regional cooperation among colleges, businesses and other groups.
- Funding is allocated to campuses by the chancellor's office through noncompetitive grants. To qualify, community colleges must join or form regional partnerships that include businesses, K-12 school districts, California State University campuses, civic groups, workforce development boards and labor unions.
- AHC is part of a regional partnership that receives annual funding. This funding can be used for staff and equipment.

Student Mobile App Initiative
Recent Actions:

- Decision was made by Banner Steering to delay this project until Banner is upgraded to version 9 (XE) because of the interdependence between the two.

Classroom Tablets Initiative
Recent Actions:

- This initiative was completed February 28, 2017.
- The pilot program using iPads in the English classroom was very successful. In February 2017, the next generation of iPads with Inspiration software replaced these initial iPads. Comment in November 2016 from student in English 511 taught by Jennifer Jozwiak: "Using the iPad was more interesting and more organized. Inspiration was very successful and neat to use. I highly recommend using it."

Online Scholarship Initiative
Recent Actions:

- This initiative was completed October 21, 2014.
- Academic Works is now a standard program.

Microsoft Office 365 Initiative

Recent Actions:

- This initiative was completed January 13, 2017.
- Office 365 is available free to all students. Instructions were posted on the portal August 18, 2015.
- Employees were migrated to Office 365 cloud email as of January 13, 2017.
- Office 365 is available free to all employee for their personal devices as of January 13, 2017.

Disaster recovery Initiative

Recent Actions:

- This initiative was completed September 2016.
- Veeam disk-to-disk backup software replaced the Commvault backup tape system enabling daily backups to the LVC data center.

Online HR Services Initiative

Recent Actions:

- Launched Employee Online (EO) October 3, 2014. Improvements to the Leave report were completed March 1, 2016.
- Launched Professional Development (PD) October 3, 2014. Updated user guides and training classes were available February 5, 2016.
- Applicant Online was not launched due to uncertainty about the quality of this product.

Online Orientation Initiative

Recent Actions:

- Launched the English version of the Cynosure Online Orientation on February 17, 2015.
- A non-credit Online Orientation program is now under development.

Document Management System (DMS) Initiative

Recent Actions:

- This project was postponed until the Ellucian Portal is completed.

Banner XE (Version 9) Initiative

Recent Actions:

- The Ellucian CRM Recruit (XE) application was implemented in 2016 and launched on February 24, 2017.
- The Ellucian Portal (XE) project started in summer 2016 and is expected to be completed in fall 2017.
- The current Banner 8 modules (Student, Financial Aid, Advancement, etc.) can be upgraded to Banner 9 (XE) separately. The schedule and funding will be determined in Fall 2017.
- An amendment to the Ellucian agreement was signed in March 2017 to license Banner Finance and HR/Payroll modules. The implementation of Banner 9 versions of these modules started in May 2017. This is a 12 to 18 month project.

Mobile Device Management (MDM) Initiative

Recent Actions:

- This project has not yet started.

Accessibility Initiative (New)

This new initiative is to address non-compliance issues in the districts web presence.

- Siteimprove was purchased June 10, 2016 to identify and assist in addressing accessibility issues.
- The new myHancock portal is being tested for accessibility compliance before it is launched.
- Banner Self-Service needs to be upgraded to Banner 9 to be compliant.
- New Administrative Procedure 6365 for accessibility in technology contracts is under review.

Appendix D – CCC Chancellor's Office Technology

CENIC CalREN Network

- All AHC locations have been moved off DSL to Comcast
- LVC does not yet have a direct connection to CENIC

MIS Data

- All required changes have been implemented in the required timeframe.

OpenCCCApply

- CCCApply was launched successfully in June 2016.
- CCCApply International application for F visa types is under development and is expected to be completed in summer 2017.
- CCCApply BOG Waiver application may be launched in the future.

Student Success Initiative

- 3SP components were added to registration status and Student Profile report in February 2015
- Canvas has replaced Blackboard. The transition was completed by Winter 2017.
- Multiple Measures to use High School performance as a factor in placement was completed in time for summer 2017 and fall 2017 concurrent registration. Multiple Measures was added to the Student Profile report at the same time.
- The Common Assessment project for AHC has been postponed until 2017/2018.

Appendix E – Technology Trends

10Gbit Wired Network and 1Gbit Wireless Network

- New buildings have 40GB from wall to edge switch.
- Old buildings currently have 1GB from wall to edge switch but could go up to 4GB.
- The CCC Technology Center is offering a $50,000 mini-grant to assist the colleges in the funding of equipment such as a firewall needed to connect to 10GB CENIC circuits.

Bring-Your-Own-Device (BYOD)

- Several virtual wireless networks have been established with appropriate access controls to enable personal devices such as employee smart phones on the district network.

Cloud Based Computing

Cloud-based computing is utilized for many of the online AHC services such as:

- Academic Works
- NoHo
- eLumen
- Follett Bookstore
- O365 email
- CCCApply
- Canvas
- Astra (planned for summer 2017)

Customer Relationship Management (CRM)

- The Ellucian CRM Recruit (XE) application was available as of February 24, 2017.

Digital Content

- The new Learning Management System has tools to add digital content, videos, and web pages into a Canvas page.

Identity/Access Management

- Ellucian Ethos Identity Services (EIS) being installed as part of new portal project.
- Shibboleth identity server is in use for Canvas faculty and student authentication and for CCCApply administration authentication.

Learning Management Systems (LMS)

- Canvas replaced Blackboard starting with Winter 2017 classes.

Open Source

- Intellus Learning Platform that provides open education resources (OER) will be integrated with Canvas and our Library databases in summer 2017.

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Santa Maria, CA 93454
805.922.6966

Lompoc Valley Center
One Hancock Drive
Lompoc, CA 93436
805.735.3366

Vandenberg AFB Center
144 Wyoming Avenue, Bldg. 14003
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320 Alisal Road, Ste. 306
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