# 2016-2020 TECHNOLOGY PLAN

## Southwestern Community College District

Institutional Technology Committee



## **Table of Contents**

| Sout  | thwestern College Technology Plan                                 | 3  |
|-------|---|----|
| Tech  | hnology Planning Process  | 3  |
|       | Table 1: Groups consulted for Technology Plan Development         | 4  |
| Cont  | tributors to the 2016-2020 Technology Plan                        | 5  |
|       | Table 2: Institutional Technology Committee members               | 5  |
| Tech  | hnology Definition  | 6  |
| Prog  | gram Review for Technology  | 7  |
|       | Table 3: Program Review Timeline                                  | 7  |
| IT de | epartment service and support strategy changes                    | 8  |
| Guid  | ding Values and Principles for Technology                         | 8  |
|       | Table 4: Prioritization Criteria and Weights                      | 10 |
| Tech  | hnology Goals and Strategies                                      | 10 |
| 1.    | Student Access  | 10 |
| 2.    | . Instructional Technology  | 11 |
| 3.    | . Student Services  | 11 |
| 4.    | . Administrative Computing  | 12 |
| 5.    | . Network Infrastructure  | 12 |
| 6.    | . Technology Support  | 13 |
| 7.    | Digital Communications  | 13 |
| Tech  | h Plan Objectives   | 14 |
|       | Table 5: Tech Plan Objectives, sorted by Goal areas               | 15 |
| Тор   | 20 IT Program Review action steps related to Tech Plan Objectives | 26 |
| Tech  | hnology Goals and Strategies summary with representative activity | 27 |
|       | Table 6: Acronym definitions                                      | 28 |

## **Appendices**

Appendix A: Technology Master Plan 2011 – 2015

#### **Southwestern College Technology Plan**

The purpose of the Southwestern College (SWC) Technology Plan is to address college-wide technology, support, and resource planning in order to further the mission, vision, and strategic direction of the College. It is linked with other institutional plans and program reviews for instruction, student services, and administration. The Technology Plan differs from the Institutional Technology (IT) organization plan in that the former focuses on college-wide resources, policies, and strategies and the latter focuses on departmental resources, procedures, and operations. When aspects of the IT organization plan impact college-wide strategies, it will be included in the Technology Plan.

#### College Mission

Southwestern Community College District, the only public institution of higher education in southern San Diego County, provides services to a diverse community of students by providing a wide range of dynamic and high quality academic programs and comprehensive student services, including those offered through distance education. The College District also stimulates the development and growth of the region through its educational, economic and workforce opportunities, community partnerships and services.

Southwestern Community College District promotes student learning and success and prepares students to become engaged global citizens by committing to continuous improvement that includes planning, implementation and evaluation. The College District provides educational opportunities in the following areas:

- Associate degree and certificate programs
- Transfer
- Professional, technical, and career advancement
- Basic skills
- Personal enrichment
- Continuing education

## **Technology Planning Process**

Building upon the 1993-1998, 1999-2004, 2005-2010, and 2011-2015 plans the SWC Technology Plan for 2016-2020 provides a different and more current perspective than the previous plans. The 2016-2020 Plan is the product of a campus-wide dialogue, based on collaborative research, shared planning and decision-making and is integrated into the work of the Shared Consultation Committee (SCC). The SWC Technology Plan 2011-2015 includes significant parts of the previous plans that served as a foundation for the next five years. The Institutional Technology Committee (ITC) recently reviewed the 2011-2015 plan and used that content to develop the 2016-2020 Technology Plan.

As part of development process, the draft Institutional Tech Plan was taken to all constituent groups for consultation, a number of open forums and meetings were conducted with faculty and staff. Table 1 evidences the scheduling and groups contacted for these information-gathering sessions.

 Table 1: Groups consulted for Technology Plan Development

Group Date

| Academic Technology Committee              | September 19, 2016 |
|--|--------------------|
| Institutional Technology Department        | July 13, 2016      |
| Dean's Council                             | October 10, 2016   |
| President's Cabinet                        | June 28, 2016      |
| Associated Student Organization            | September 1, 2016  |
| Student Services Council                   | August 15, 2016    |
| Institutional Technology Committee meeting | January 27, 2015   |
| Institutional Technology Committee meeting | February 24, 2015  |
| Institutional Technology Committee meeting | March 24, 2015     |
| Institutional Technology Committee meeting | April 15, 2015     |
| Institutional Technology Committee meeting | April 28, 2015     |
| Institutional Technology Committee meeting | September 15, 2015 |
| Institutional Technology Committee meeting | October 13, 2015   |
| Institutional Technology Committee meeting | October 27, 2015   |
| Institutional Technology Committee meeting | November 10, 2015  |
| Institutional Technology Committee meeting | November 24, 2015  |
| Institutional Technology Committee meeting | December 8, 2015   |
| Institutional Technology Committee meeting | May 10, 2016       |
| Institutional Technology Committee meeting | May 24, 2016       |

Submission of the SWC Technology Plan to the Academic ... September 20, 2016

Senate for Approval

Submission of the SWC Technology Plan to the Shared ....... July 13, 2016

**Consultation Council for Approval** 

Submission of the SWC Technology Plan to the Governing ... December 2016

**Board for Approval** 

## Contributors to the 2016-2020 Technology Plan

The 2016-2020-Technology Plan was developed through the contributions and support of the following Technology team members shown in Table 2 below.

**Table 2: Institutional Technology Committee members** 

| Name                    | Position                                    |
|-------------------------|---|
|                         |   |
| Daniel Borges           | Co-Chair, Chief Information Systems Officer |
| Patricia Flores-Charter | Co-Chair, Academic Senate President         |
| Todd Williamson         | Online learning Center Representative       |
| Priya Jerome            | Superintendent/President or Designee Admin  |
| Paul Norris             | IT Computer Operations Supervisor           |
| Allen Chu               | Academic Senate Representative              |
| Nelson Riley            | SCCDAA President or Designee                |
| Wayne Yanda             | SCCDAA Representative                       |
| Sam Shuey               | CSEA President or Designee                  |
| John Vinson             | CSEA Representative                         |
| Shelly Askren-Frazier   | Confidential Representative                 |
| Everett Garnick         | IT Programming Supervisor                   |

### **Technology Definition**

Southwestern College uses technology and Universal Design principles to support its mission in order to enhance learning and instruction, educational opportunities, personalize student services, and provide effective administrative processes to meet the changing needs of the College and community.

Technology is a broad subject that applies to many aspects of teaching, learning, research, communication, and operations at SWC. Such technologies are typically categorized as instructional technology or administrative technology. The former is associated with resources for teaching and learning (academic) and the latter is associated with resources for communication and operations (administrative). These technologies typically include computers, servers, software, databases, printers, networks, network applications, storage devices, video projectors, video conferencing, and the like. Many such technologies are used for both academic and administrative purposes, e.g., computers, networks, email, etc. Thus, it is necessary for the Technology Plan to address both administrative and instructional technologies.

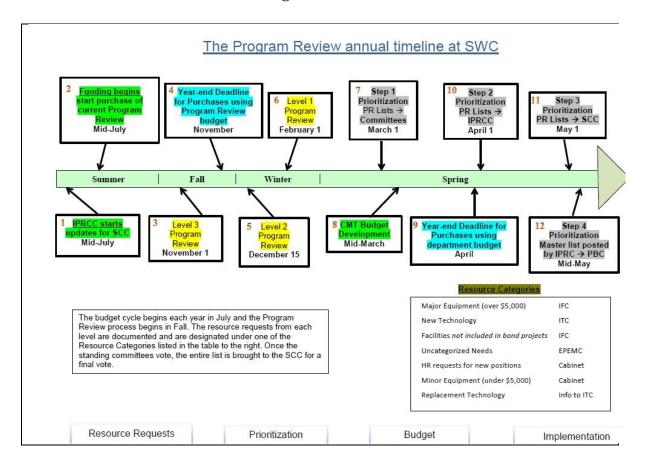
Some technologies at SWC are specific to academic or vocational courses, such as photovoltaic systems, electronic music keyboards, microscopes, and spectrometers, etc. Such technologies are specialized instruments or tools that are discipline-specific or industry- specific. Indeed, faculty members regularly consult with external advisory councils to ensure the use of relevant technologies in their programs. Furthermore, instructional programs engage in Program Review cycles to evaluate the effectiveness of such technologies and develop plans. Program Review plans are tied to resource allocation processes that provide an avenue of funding for specialized technologies.

The SWC Technology Plan is focused on planning for instructional and information technology resources that have a broad application across the College. The technology plan addresses how technology resources will be implemented to further the mission of the College and improve institutional effectiveness. This plan does not go so far as to specify the details of all of the specialized

technologies that would be included in program reviews; that is left to the subject experts. However, the Technology Plan addresses how specialized technologies will be integrated with the technology infrastructure and technology support services of the College.

#### **Program Review for Technology**

Over the last five years, the Program Review process has been a key component linking planning and budgeting. This annual process is used to determine and document the requirements campus-wide. A prioritization process is part of the cycle as the ITC discussed things such as impact and value to students and the College. The Program Review Timeline can be found in Table 3.



**Table 3: Program Review Timeline** 

This timeline reflects the annual budgeting and procurement process for technology needs of the College. The two primary procurement cycles include specific department requirements which have a year-end deadline in April, and the Program Review deadline in November.

The ITC is a shared planning and decision-making body, and includes key constituent groups from across the campus. The goal of the committee as it relates to the program review process includes completing the prioritization of all technology related Program Review items by March 1<sup>st</sup>.

#### IT department service and support strategy changes

Over the last two years, an alignment of IT service and support has taken place to better meet the needs of the College District. These changes have taken place due to basic changes in the technology environment based on where and how effective support is delivered. They fall into three basic categories: Audio visual (AV) for Smart Classrooms, Telecommunications, centralized technology support for Higher Education Centers (HECs), and accessibility compliance related to Section 508.

<u>AV for Smart Classrooms:</u> Technology has changed significantly in this area. Previously the AV technician fell under the Facilities department because projectors were looked as more of a part of a room rather than as a component of Smart classroom technology. As the projector became an integral part of the overall technology in a Smart classroom, there was a need to build collaboration between the Instructional lab technicians and the AV technician who moved into IT in January 2015. This change has led to many improvements including the development of the Smart classroom guidelines which are used to build classroom technology standards at the College District.

<u>Telecommunications</u>: Technology has also changed significantly in the area of Telecommunications. Outdated technology includes large phone switches that are dependent on an extensive two pair wired network. One of the major technology shifts in the last decade includes leveraging an Ethernet network for both data and voice communications. The telephone technician that began in a Facilities department has now migrated into a network technician in the Information Technology department of today. Following industry standards, the Telecommunications position that resided in the Facilities department at SWC has been moved to the Institutional Technology department. Some of the benefits that will develop rise beyond deploying a Voice over IP (VOIP) system with advanced call routing features, additional support for other network services such as wireless networks can also be achieved.

<u>Centralized technology support</u>: To address concerns about communication disconnects between the Institutional Technology department and the Higher Education Center IT staff, the decision was made to move the reporting structure for the HEC IT staff from the Center Deans to the Chief Information Systems Officer (CISO) in July 2016. The goal was to include HEC IT staff in more IT projects and general meetings to improve the consistency of IT services and support at all campus locations.

Accessibility Compliance Specialist: To address concerns about Section 508 compliance, a decision was made to create a new position in the IT department to be referred to the Accessibility Compliance Specialist. This position would serve as a technical liaison between the IT department and the primary departments at the College District including Academic Affairs, Student Affairs and Business and Financial Services to ensure the District's compliance with Section 508.

## **Guiding Values and Principles for Technology**

The College's commitment to technology is translated into a set of guiding values and principles for how technology should be created, managed, and supported. These values and principles will serve as the foundation of any technology development in the district, and they will guide discussions on the suitability of future technology action plans.

<u>Access</u>: Technology will be readily accessible using universal design to all students, faculty, and staff of the College. The College will ensure that all students, faculty, and staff, including those with

disabilities, have required access to computers, software, and technology services. Capabilities will be developed to provide fully functional accessibility to the College and community we serve.

<u>Currency</u>: The College will provide current, up-to-date hardware, software, and communication materials. Policies, procedures, and budgets will be established to ensure technology currency at the College.

<u>Reliable Technology Services</u>: Information and instructional technology accessibility will be delivered via a secure, solidly established, centrally operated, redundant, and robust network and computer infrastructure.

<u>Support Services:</u> The District will provide customer service and training to help the college community access and use technology.

Access to information technology support will be provided to the college community through a variety of venues, e.g., phone, fax, e- mail, online, in-person. The availability of customer support will be continually monitored to provide appropriate staffing and coverage to meet the needs of the college community.

The College will review its technology support based on the following dimensions of customer service:

- 1. Flexibility: Ability to adapt and adjust when and as needed
- 2. Responsiveness: Willingness to help and provide prompt service
- 3. Reliability: Perform the promised service dependably, accurately, and in a timely manner
- 4. Assurance: Knowledge, courtesy, and the ability to convey trust and confidence
- 5. Service: Ability to provide respectful individualized attention

<u>Staffing and Resources</u>: The College will provide the staffing and resources necessary to support and maintain the technology infrastructure, including:

- Hardware
- Software
- Administrative systems
- Course management systems
- Content management systems
- Campus web site
- Faculty, interdepartmental/school websites
- Services
- Training

<u>Planning:</u> The technology objectives of the College need to be aligned with institutional priorities, and the technology planning process of the College needs to ensure a high level of inclusion and interaction. The technology planning process provides an opportunity to accomplish the following:

- 1. Determine the fundamental technology directions of the College.
- 2. Identify key strategies in taking the next steps.
- 3. Clarify the actions needed to help departments, schools, units and the College to achieve their broad missions and goals.
- 4. Disseminate knowledge about existing technology services, technology needs, and technology

constraints.

5. Evaluate current services and practices, revise, and expand services as needed.

<u>Prioritization Rubric:</u> The following table is the rubric upon which SWC prioritizes technological needs. Program Review drives these prioritizations. However, in the case of state government, federal government, or other funding agency mandates, these technology needs will receive top priority by the College.

**Table 4: Prioritization Criteria and Weights** 

| Number | Criteria   | Weight |
|--------|--|--------|
| 1      | Extent to which request is identified in institutional program | 80%    |
|        | review   |        |
| 2      | Role of the technology in supporting curriculum or College     | 10%    |
|        | services   |        |
| 3      | Extent to which the request represents a collaborative effort  | 5%     |
|        | to use technology resources more effectively                   |        |
| 4      | Sustainability of the technology in terms of ongoing support   | 5%     |
|        | requirements and replacement costs                             |        |
|        | Maximum Points   | 100%   |

<u>Speed:</u> The College will make every effort to ensure the speeds of its network, computers, and telecommunications equipment are in keeping with college and statewide standards.

<u>Innovation and Leveraging Technology:</u> The District will encourage the college community to explore how to use, leverage, and integrate innovative uses of technology in teaching, learning, and college operations.

## **Technology Goals and Strategies**

The Program Review process is part of the fabric not only of the Technology Plan but also a part of the Strategic planning and budgeting aspect of the Southwestern. A structured and complex process is followed each year by all constituents at the District. Table 3 showing the Program Review timeline describes when budget can be used for planned items.

The technology goals and strategies are based upon institutional program review, accreditation standards, an assessment of current needs, internal plans, and a review of external trends in academic and administrative computing in higher education. The technology goals are umbrella statements that provide direction for change. The following implementation grid includes a timeline of specific action items that are measurable activities to further the goals and strategies of the plan.

- Student Access Provide secure student access to learning resources and support services for all college locations.
  - 1.1 Identity Management: Develop and implement a new user account system that

- requires students to individually log into college network resources, such as the wireless network or lab computers.
- **1.2 Computer Lab Operations:** Develop college standards to adequately staff and support all current and future student computer labs. As technology is consistently evolving, the District will support and adapt to those changes.
- 1.3 Computer Lab Hardware and Software: Conduct ongoing evaluations of the adequacy of student computer lab hardware and software to meet the needs of instructional programs. These evaluations, to include program review plans and the age of the computers, will serve as important criteria for prioritizing the replacement of lab hardware and software.
- **1.4 Online Courses and Programs**: To increase student access, provide the technical infrastructure and support for faculty and students for current and future online courses and programs.
- **1.5 Online Learning and Support Services:** Provide online access to all learning resources and student support services to assure equitable access and to meet identified student needs.
- **1.6 Virtual Desktop Computing:** Develop and implement a cloud-based and/or server-based virtual desktop environment that enables authorized network access to specialized instructional software from any college computer.
- 2. Instructional Technology Support the success of all students through the development of instructional technologies, including the delivery of instructional media for use on- and off-campus. Instructional materials must meet the electronic and information technology accessibility requirements of Section 508, comply with applicable federal and state laws, and use Universal Design for all people.
  - **2.1 Instructor Support:** Provide faculty training, support, and adequate staffing for the development and delivery of instructional technology resources to students on & off-campus.
  - **2.2 Online Lectures:** Develop standardized and automated processes for capturing oncampus lectures (audio and/or video and/or lecture resources) to publish online.
  - **2.3 Smart Classrooms:** Complete the installation of interdisciplinary new media systems in all relevant classrooms. Then develop new standards for smart classrooms and begin upgrading older classrooms to meet the standards.
  - **2.4 Instructional Content:** Develop new processes for efficiently licensing and delivering copyrighted and captioned instructional content to students' on- and off-campus.
- **3. Student Services** Develop, update, and implement Student Services information system and communication services.
  - **3.1 Processing Calendar Development:** Develop and review on a periodic basis to determine sustainability and functionality.
  - **3.2 Financial Aid:** Conduct ongoing evaluation of Financial Aid services to determine student friendly access and consistency with mandated timelines.
  - 3.3 Matriculation: Update and maintain systems for getting information out to students in a

- timely manner through improved technology.
- **3.4 Reporting Enhancements:** Enhance the reporting systems to improve and automate Student Services data and services.
- **4. Administrative Computing** Develop and improve secure and reliable computing systems to increase institutional effectiveness and provide long-term support for campus computing needs.
  - **4.1 Custom Application Development:** Standardize the development and maintenance of custom applications for research, instruction, student services, and college operations in order to improve institutional effectiveness.
  - **4.2 Network Application Support:** Continue to use the SWC Help Desk and lab techs to centralize user support requests for network applications.
  - **4.3 Hardware and Software Standards:** Maintain up-to-date computer hardware and software standards for institutional purchasing and support. Replace computers as determined by Program Review to ensure adequate computing resources for students, faculty, staff, and managers. [ACCJC/WASC 2008 Standards: IIC1d, IIIC1c, IIID1a. SWC Strategic Plan 2011-2015)
  - **4.4** Access from Off-Campus Sites: Develop a secure, client-less, login method for authorized employees to access network resources from off-campus locations. Ensure that this login method can be applied to future network applications.
  - **4.5 Printer Standards and Support:** Develop standards to fund the purchasing, installation, repair, and support of office and lab printers and supplies through a centralized clearinghouse.
  - **4.6 Institutional Software Licenses:** Create a centralized clearinghouse for institutional software licensing and require that all software purchases go through it. Provide ongoing funding for software, such as office-productivity, online courses, antivirus protection, website development and content management as determined by Program Review.
- **5. Network Infrastructure** Maintain the network infrastructure to support comprehensive wireless, voice, video, and data communications with high availability and recoverability.
  - **5.1 Wireless Access:** Continue implementation of comprehensive wireless access for students, employees and authorized guests throughout all college locations.
  - **5.2 Network Infrastructure Standards:** Continue to update network infrastructure standards to be applicable to all existing and new SWC buildings. Implement the new standards to ensure high availability and quality of service for voice, video, and data throughout the College and District.
  - 5.3 Network Management: Implement enterprise level network management tools to

- monitor and control all critical network resources at all college locations. Develop emergency response procedures for network outages or attacks.
- **5.4 Network Storage:** Provide secure and centralized network storage, backup, and recovery services to meet the needs of the College. Develop a data archiving and retrieval process.
- **5.5 Disaster Recovery:** Implement a multi-tiered disaster recovery plan to restore access to critical information resources in case of a catastrophic outage. Determine ways to proactively minimize risks.
- **5.6 Administrative Server Virtualization:** Expand and maintain virtual servers to replace physical servers, promote "Green IT," support disaster recovery, and extend the capacity to offer additional network services and solutions.
- **5.7 Application Design and Implementation:** Provide services and support required to research, analyze, develop, manage, and maintain application projects
- **6. Technology Support** Provide ongoing training, staff, funding, and technology support services to meet the needs of students, faculty, staff, and managers.
  - **6.1 Service Level Agreements**: Develop service level agreements (SLAs) at all SWC Help Desk locations. [ACCJC/WASC 2008 Standards: IIC1d, IIIA2, IIIC1a. SWC Strategic Plan 2011-2015.
  - **6.2 Technology Training for Learning and Instruction:** Provide ongoing training and support in the use of instructional technologies for students, faculty, and staff.
- Digital Communications Develop and support multiple, digital means of communication between the college, community, and all constituencies.
  - **7.1 Unified Communications:** Coordinate with IT to implement a system that unifies all forms of communication, including voice-mail, email, and emerging technologies.
  - **7.2 District Portal:** Research, develop, and implement a district portal for college communications, student communications, and access to college support services and online forms.
  - **7.3 Website Development:** Continue to develop the navigational structure and provide adequate support and staff for the SWC website to improve access for all users at all levels of proficiency. Ensure an annual review and update of website accessibility, currency and accuracy of all information on the college website.
  - **7.4 Video Conferencing:** Upgrade and support audio and video conferencing resources to connect individuals/groups between SWC and off-site locations.
  - **7.5 Emerging Communications:** Experiment with emerging technologies to enhance effective communication and institutional effectiveness.

A summary of all of these goals and strategies can be found in a table format at the end of this report. Along with the actual item, the table shows recent accomplishments or expected activity related to the goal.

## **Tech Plan Objectives**

The Technology Plan Objectives shows the action items, lead manager, performance indicators, and required resources, status & outcome, strategic objectives, and Tech Goals that are necessary to further the goals and strategies of the Technology Plan. Several fields are used to build a linkage to the budget and planning process at the College. The Program Review field shows the action step and required resources object. The Strategic Objective relates the item to the category applicable to the particular action step.

- 1. <u>Action Step</u>: These are the activities for each of the technology strategies. Each action step has a unique ID.
- 2. <u>Lead Manager</u>: The person responsible for initiating the action items and overseeing the completion of the activities.
- 3. <u>Program Review</u>: Content in this field indicates that the action step that has a resource request (budget component) has been defined in the IT department Program Review.
- 4. <u>Performance Indicators</u>: These describe the major outcome of the action items.
- 5. <u>Required Resources</u>: Includes estimates that primarily refer to staff/manager time, equipment funding, or existing resources. The time and budget allocations are gross estimates that would be further refined for an actual project proposal.
- 6. <u>Status and Outcome</u>: Identifies contingencies, dependencies, or other types of in process information that impacts the success of the action step.
- 7. <u>Strategic Objective</u>: indicates the category and item that most closely relates to the success of the action step.
- 8. <u>Tech Goals</u>: indicates the specific Technology Goal and Strategy item that applies to the Technology Objective

The Technology Implementation Plan is organized in each of the Technology Goal and Strategy categories. Many of these items become an action item list for at least the Institutional Technology department along with other business units on campus. The specific items in each Goal area of the Tech Plan Objectives can be seen in Table 5.

Table 5: Tech Plan Objectives, sorted by Goal areas

## **STUDENT ACCESS**

|    | Action Step   | Lead<br>Manager | Program<br>Review    | Performance<br>Indicators  | Required Resources   | Status &<br>Outcome   | Strategic<br>Objective        | Tech<br>Goals |
|----|---|-----------------|----------------------|--|--|---|-------------------------------|---------------|
| A1 | Develop and implement new user accounts for student access to wireless, lab computers and online courses.  Issue: concern student security if user leaves Blackboard & WebAdvisor and does not log out. | CISO            |                      | Students use<br>the new<br>system to log<br>on to wireless<br>network, lab<br>computers,<br>and<br>eventually<br>online<br>courses, etc. | Controller / appliance. Also 500 hours for 12 months to implement; 8 hours per week for ongoing maintenance and user support. Use existing student domain servers and storage. | Improved<br>communicati<br>on and<br>contact with<br>80% or more<br>of students | IT&R 4,5<br>SA 1,3            | 1.1           |
| A2 | Explore options and pilot cloud-based computing environment for student access from lab computers. Make SW library for licenses, create clearinghouse   | CISO            | AS 1, RR<br>1 \$55K  | Conduct a pilot cloud-based computing within labs.   | Google Apps has been<br>linked to Active<br>Directory  | IP with Google Apps, Improved student access to instructor                      | IT&R 1,4,5<br>T&L 1<br>SA 1,3 | 1.6           |
| A3 | Develop and Implement<br>new policies and<br>procedures for<br>installing updated<br>software in student<br>computer labs   | CISO            |                      | Documentation of new policies and procedures for updating software in computer labs.   | 80 hours to develop the policies and procedures; 120 hours per semester to implement.  | IP, part of ongoing operations. Improved efficiency                             | IT&R 1,4,5<br>T&L 1           | 1.2           |
| A4 | Compare costs and advantages of cloud-based computing environment within labs or server based software  | Dean of<br>ISS  | AS 1, RR<br>2 \$300K | Cloud-based<br>access from<br>labs   | ongoing license costs<br>(TBD); 20 hours per<br>week for ongoing<br>maintenance and user<br>support;   | Pending<br>analysis,<br>faster and<br>more<br>effective lab<br>managemen<br>t   | IT&R 4,6                      | 1.6           |

## **INSTRUCTIONAL TECHNOLOGY**

|    | Action Step   | Lead    | Program              | Performance  | Required Resources   | Status &   | Strategic          | Tech              |
|----|---|---------|----------------------|--|--|--|--------------------|-------------------|
|    |   | Manager | Review               | Indicators   |  | Outcome  | Objective          | Goals             |
| B1 | Develop Smart classroom deployment plan for interdisciplinary new media systems and support in the classrooms, labs, and meeting rooms.   | CISO    | AS 2, RR<br>2 \$400K | Percentage of classrooms with current technology   | 100 hours needed for analysis.   | Inventory indicates, Improved instruction al space to assist students                  | IT&R 4,5<br>SA 1,3 | 2.3               |
| B2 | Software site licenses for<br>Camtasia and other<br>frequently needed<br>software   | VPAA    | AS 2, RR<br>1 \$70K  | Determine<br>software<br>needs, create<br>software<br>inventory<br>method                                | Requires budget for<br>software licenses, need<br>to identify existing<br>software plan  | Need plan<br>with<br>timeline, to<br>improve<br>access to<br>software                  | SA 3<br>T&L 1      | 1.3<br>4.3<br>4.6 |
| B3 | Develop and implement new procedures for timely captioning of all instructional media content, including for online and face to face courses. Provide training for faculty and staff. Ensure Web content compliance | VPAA    |                      | Documentati on of procedures for efficiently licensing, captioning and showing videos in online courses. | DSS is responsible for administering DECT grant to facilitate captioning of all instructional videos; the library is working on captioning DVDs. | Need plan<br>with<br>timeline,<br>provides<br>ADA<br>compliance<br>with<br>Section 508 | SA 3<br>T&L 1      | 2.2 2.4           |

## STUDENT SERVICES TECHNOLOGY

|    | Action Step   | Lead<br>Manager           | Program<br>Review   | Performance<br>Indicators  | Required Resources  | Status &<br>Outcome  | Strategic<br>Objective    | Tech<br>Goals |
|----|---|---------------------------|---------------------|--|---|--|---------------------------|---------------|
| C1 | Create a Continuing Education application/registratio n web application   | Dean of<br>ISS            |                     | Development of application and implementati on.                                      | 20 hours per week for application processing.   | Implement<br>Instant<br>Enrollment<br>with CE.                                 | IT&R 1,5,6                | 1.5           |
| C2 | Explore a process to provide students with unified communication and information dissemination e.g., Face book, Twitter, email  | Dir of<br>A&R             |                     | Improved<br>Student<br>communicati<br>on   | 50 hours initially for set-up and use; ongoing administrative management for 20 per week.   | In Process -<br>Portal,<br>Improves<br>student<br>access                       | SA 1,3<br>IT&R 1,4,5      | 7.1           |
| С3 | Ongoing improvement<br>to MIS reporting,<br>including matriculation<br>data collection for<br>improved accuracy<br>using Data Warehouse<br>as a management tool   | Dir of<br>Research        |                     | Improve mandated reporting. Include FTES, MIS, Enrollment, Cal Works and transcripts | Sufficient staffing to<br>monitor plan outcomes.<br>Upgrade to CROA to<br>improve Business<br>Analytics capability.   | Implement de- centralized reporting structure, Colleague is single source      | IT&R 1,2,5                | 3.3<br>3.4    |
| C4 | Develop online forms for students to register for events or apply for services. Develop technical standards for accessible entry, submission, confirmation, auditing, security, storage, approval, workflow, data protection, archiving, etc. | VPSA                      | AS 3, RR<br>1 \$65K | All popular<br>college and<br>district<br>student forms<br>are available<br>online.  | Dependent on scope of project.  | Need to<br>standardize<br>platform. FA<br>"transform"<br>system is a<br>pilot. | SA 4<br>SS 3, 4<br>IT&R 5 | 1.1 4.3       |
| C5 | Implement online credit and non-credit positive attendance tracking. Reporting for faculty and State reporting.   | Dir of<br>A&R             |                     | comprehensiv e positive attendance tracking systems that results in accurate reports | Funding needed for positive attendance software replacement and staffing; technical support at positive attendance tracking location. Custom programming required | Analysis<br>required by<br>A&R   | IT&R 1,5,6                | 3.4<br>4.1    |
| C6 | Positive Attendance<br>Tracking: Develop,<br>expand, and support<br>SARS Suite applications<br>(Track, Grid, Call, Alert,<br>eSARS) for managing<br>student appointments<br>and tracking student<br>services.                                 | Dean of<br>Counseli<br>ng |                     | SARS Suite<br>applications<br>are installed<br>and<br>supported as<br>needed.        | 20 hours per week for ongoing maintenance and user support; annual license renew cost of \$20K. Implement SARS message.   | SARS<br>anywhere on<br>hold  | SA 1<br>SS 3              | 3.4           |

|     | Action Step   | Lead<br>Manager | Program<br>Review | Performance<br>Indicators  | Required Resources  | Status &<br>Outcome   | Strategic<br>Objective   | Tech<br>Goals |
|-----|---|-----------------|-------------------|--|---|---|--------------------------|---------------|
| C7  | Automate Calgrant & CA Dream Act processing   | Dir Fin<br>Aid  |                   | Automate the processing of applications. Reduce time to acceptance.                      | IT or contract programming staff. Fin Aid staff for testing.                  | Holding for resource allocation.  | IT 4                     | 3.2           |
| C8  | eForms implementation (separate from C.4 as this is funded through BFAP and not available to other units) | Dir Fin<br>Aid  |                   | Streamline<br>document<br>processing.<br>Increase<br>student<br>access.                  | Lexmark (contract<br>services), IT, Financial<br>Aid, BFAP funded             | Analysis of products suitable for SWC underway.                                   | SA 3<br>SS 1,2,3<br>IT 1 | 3.2<br>7.1    |
| С9  | Title IV disbursements based on required coursework.  | Dir Fin<br>Aid  |                   | Compliance issue.  | Ellucian contract<br>services, Financial Aid,<br>BFAP funded                  | Waiting for resource allocation.  | SS 2<br>IT 1             | 3.2           |
| C10 | Notification and alerts via texting   | Dir Fin<br>Aid  |                   | Quicker<br>student<br>access to<br>information;<br>awards,<br>disbursement<br>, requests | Financial Aid, IT. Plan<br>to expand use of<br>Regroup messaging<br>services. | Regroup<br>onsite with<br>Portal Guard,<br>now need<br>implementati<br>on for SA. | SA 3<br>SS 1,3<br>IT 1   | 3.2<br>7.1    |

## **ADMINISTRATIVE COMPUTING**

|    | Action Step   | Lead                       | Program              | Performance   | Required Resources  | Status &  | Strategic                         | Tech                            |
|----|---|----------------------------|----------------------|---|---|---|-----------------------------------|---------------------------------|
| D1 | Implement Campus Portal   | Manager<br>Director<br>A&R | Review               | Indicators Students and staff have a  | Users in departments will need to be trained  | Outcome  Portal developed,  | SA 1,2<br>SS 1,2,3                | 1.1<br>1.4                      |
|    |   |                            | AS 4, RR<br>1 \$85K  | single contact<br>point on-line<br>for all things<br>SWC.   | for proper<br>management of<br>content. IT resources<br>necessary for technical<br>implementation.<br>Consulting services for<br>proper implementation. | going live<br>spring 2017   | TL 1<br>HR 1,2<br>IT&R<br>1,3,4,5 | 1.5<br>3.2<br>3.3<br>7.1<br>7.2 |
| D2 | Migrate to SQL from unidata and upgrade all programming and reporting to current standards.                                 | CISO                       | AS 4, RR<br>2 \$150K | Users should<br>see no<br>difference in<br>the look and<br>feel but<br>everything<br>will be R18<br>compatible. | IT technical personnel<br>for all tasks. Extensive<br>user testing required.  | Plan has<br>been<br>defined,<br>project is<br>funded,<br>waiting for<br>resource<br>availability. | IT&R 4                            | 4.1 4.3                         |
| D3 | Develop online<br>employee evaluation<br>and tracking tool  | CISO                       | AS 4, RR<br>3 \$50K  | Enable simple communicati on and tracking with employees  | NEOGOV selected   | Accreditatio<br>n<br>Compliance,<br>plan for<br>1/2017  | IT&R 4                            | 4.1                             |
| D4 | Replace iStrategy to<br>eliminate old system<br>and move dashboards<br>to Colleague Reporting<br>and Operating<br>Analytics | CISO                       | AS 4, RR<br>4 \$70K  | New dashboards will look somewhat different but will provide same functionality.                                | Research and IT to lead<br>the way. Current users<br>of iStrategy retraining<br>necessary.  | Plan<br>implement<br>in 2017. Will<br>contract for<br>dashboards                                  | TL 5,5<br>OE 1,2,4                | 3.4<br>4.3<br>7.2               |
| D5 | Implement the<br>Assignment Contract<br>Tracking component of<br>Colleague  | Dir of HR                  |                      | Allows for<br>automating<br>calculation,<br>and payment,<br>of faculty<br>contracts                             | Resources from all responsible units-especially HR and the school secretaries to ensure faculty and positions are set up correctly.                     | In<br>Process/Und<br>er<br>evaluation   | PFR 5<br>OE 4                     | 5.7                             |
| D6 | Re-implement VATEA survey   | Dean of<br>ISS             |                      | Improved collection of VATEA data from source. Improved basis for VATEA funding.                                | Programmer and VATEA specialist. Admissions & Records staff.  | Data<br>analysis is<br>required.  | PFR 5<br>IT&R 1,5                 | 4.1                             |

|     | Action Step  | Lead<br>Manager                     | Program<br>Review   | Performance<br>Indicators  | Required Resources  | Status &<br>Outcome   | Strategic<br>Objective | Tech<br>Goals |
|-----|--|-------------------------------------|---------------------|--|---|---|------------------------|---------------|
| D7  | Develop an online application for program reviews (Instruction, Student Services, Administration) based on the new forms and processes; design for future integration with other college planning and resource allocation databases. | Dean of<br>ISS                      |                     | A college-<br>wide<br>accessible<br>system for<br>entering,<br>tracking, and<br>archiving via<br>digital<br>machine-<br>readable<br>means,<br>annual<br>program<br>review. | 1,500 hours, depending upon the design specifications; 20 hours per week for ongoing maintenance and user support; use existing server and storage resources. | Under<br>review in<br>IPRC-<br>eLuman is<br>currently the<br>product of<br>interest.    | IT&R 1,6               | 4.1           |
| D8  | Implement a resource scheduling application that integrates with Colleague to provide detailed information about room scheduling, inventory and space utilization  | VPAA                                | AS 4, RR<br>5 \$65K | Schedulers<br>can use this<br>system to<br>schedule<br>classes,<br>meetings,<br>performances<br>, etc., and get<br>room reports.   | District to provide estimate of staff time; 120 hours to input resource information; ongoing license costs; staff training; ongoing maintenance and support.  | Need to expand use of room chart app which will happen with IEPI enrollment managemen t | IT&R 5,6<br>OE 3       | 4.1           |
| D9  | Implement on-line<br>Benefits module   | VPHR                                |                     | Integration of<br>benefit<br>information<br>in the HR<br>module.   | Funding, consulting, 80 hours.  | Not yet<br>implemente<br>d, started<br>with EAP   | IT&R 5                 | 5.7           |
| D10 | Implement scheduling application   | Dean of<br>ISS                      |                     | Improved productivity and organization will provide cleaner process  | \$50K and contribution<br>from all areas on<br>campus especially<br>including Instruction<br>and Facilities   | IEPI<br>enrollment<br>managemen<br>t app may<br>provide<br>solution.                    | IT&R 4,5               | 4.1           |
| D11 | Implement time and attendance tracking online module with WebAdvisor   | Dir of HR                           | AS 4, RR<br>6 \$30K | Successful<br>submissions<br>of payroll<br>data  | Funding, consulting<br>from County, 160<br>hours.   | Don't have<br>time entry<br>on<br>WebAdvisor.   | IT&R 5,6<br>OE 3       | 5.7           |
| D12 | Develop and<br>implement a HRT<br>electronic workflow  | Professio<br>nal<br>Develop<br>ment |                     | Forms<br>successfully<br>submitted to<br>HR  | Funding, consulting,<br>160 hours.  | Colleague<br>HR workflow  | IT&R 5                 | 5.7           |
| D13 | Implement the Assignment Contract (ACO) Tracking component of Datatel - Position Control. Look at load pay formula   | Dir of HR                           | AS 4, RR<br>7 \$45K | Contracts are created electronically through Colleague   | 24 months - change<br>Chart of Accounts to<br>baseline of Colleague<br>standards.   | working<br>Fiscal<br>Independen<br>ce issues  | PFR 5<br>OE 4          | 5.7           |
| D14 | Organize and implement a campus wide Data Standards Group  | Dir of<br>Research                  |                     | Regular<br>meetings and<br>feedback<br>from<br>Colleague<br>users  | Time for Colleague<br>users to meet.<br>Power User Group  | Data  | TR 5<br>HR 1,2         | 5.7           |

|     | Action Step  | Lead<br>Manager | Program<br>Review   | Performance<br>Indicators  | Required Resources   | Status &<br>Outcome  | Strategic<br>Objective          | Tech<br>Goals |
|-----|--|-----------------|---------------------|--|--|--|---------------------------------|---------------|
| D15 | Develop Online Budget<br>development and put<br>Budget transfer<br>process online  | VPBFA           | AS 4, RR<br>8 \$35K | Chart of<br>Accounts<br>changed  | Funding, consulting. 12 months.  | SWC has the<br>software<br>from<br>Ellucian                          | PFR 1,5                         | 5.7           |
| D16 | Create and implement<br>a course scheduling<br>module that is web-<br>based (Curricunet)   | Dean of<br>ISS  |                     | Web-based course scheduling module; improved efficiency of scheduling with paperless process.                  | The Enrollment Management focus of the IEPI project should be analyzed for compliance. | IEPI<br>enrollment<br>managemen<br>t app may<br>provide<br>solution. | TR 6<br>OE 3                    | 4.1           |
| D17 | Implement Position<br>Control/Management   | Dir/VP<br>HR    |                     | Implement functionality built into Colleague. Provide tight control of positions for management and reporting. | HR, IT, Possible vendor training.  | Status not<br>yet available  | HR 1<br>PFR 1<br>OE 1,2<br>IT 1 | 5.7           |
| D18 | Onboarding/Offboardi<br>ng on-line: employee<br>perspective  | Dir/VP<br>HR    |                     | Streamline processes to make them easier and more functional for employees and HR department                   | Possible purchase through NEOGOV or other.   | Status not<br>yet available  | HR 1,2<br>IT 1                  | 4.1           |
| D19 | Direct update of<br>employee data from<br>self-service (as<br>specified by HR)   | Dir/VP<br>HR    |                     | Direct update<br>eliminates re-<br>entry errors<br>and speeds<br>update of<br>information                      | Possible WebAdvisor<br>update functionality or<br>eForms related project.              | Status not<br>yet available  | HR 1,2<br>IT 1                  | 4.1<br>7.1    |
| D20 | On-line method to<br>prepare and submit<br>requests and report for<br>travel and expenses<br>among others. (eForms<br>management system) | Dir/VP<br>HR    |                     | Simplify and<br>streamline<br>processes.<br>Speed<br>processing.   |  | Status not<br>yet available  | HR 1,2<br>IT 1                  | 4.1<br>7.1    |

## **NETWORK INFRASTRUCTURE**

|    | Action Step   | Lead<br>Manager | Program<br>Review        | Performance<br>Indicators   | Required Resources   | Status &<br>Outcome   | Strategic<br>Objective | Tech<br>Goals |
|----|---|-----------------|--------------------------|---|--|---|------------------------|---------------|
| E1 | Upgrade the electrical back-up system to provide power for important network services and related devices in case of a power outage (Replacement of existing UPS and determine SLA for supplying temporary power) | CISO            | AS 5, RR<br>1 \$200K     | Operational servers remain accessible during power outages. Need a complete site survey, quadrupled run-time and additional "shutdown" clients, especially VMWareaware clients. | An electrical generator and power system that is connected to the main distribution center. Approximate cost for UPS - \$100k              | In Process,<br>looking at IT<br>move to a<br>different<br>building on<br>campus | IT&R 4,5               | 5.5           |
| E2 | Develop a multi-tiered disaster recovery plan to restore access to critical information resources in case of a catastrophic outage  | CISO            |                          | An approved disaster recovery plan.   | 120 hours to complete plan   | IP with DR<br>Project   | IT&R 5                 | 5.5           |
| E3 | Establish secure offsite<br>storage of all backups<br>and archive data files;<br>establish process for<br>destruction of data<br>storage. Get new<br>SNAP servers   | CISO            | AS 5, RR<br>2 \$40K      | Secured<br>storage<br>implemented:<br>DR site is<br>HEC-OM  | Funding and secure<br>storage location. Need<br>replacement for<br>outdated SNAP servers   | IP with DR<br>Project   | IT&R 5                 | 5.4<br>5.5    |
| E4 | Acquire and implement<br>an enterprise level<br>network monitoring<br>and managing systems<br>at all college locations;   | CISO            | AS 5, RR<br>3 \$55K      | Readily<br>monitor and<br>control all<br>necessary<br>network<br>traffic.<br>Partially<br>implemented.  | Enterprise level network monitoring and management servers and software; 240 hours for research and installation at all college locations. | In Process<br>with DR<br>project  | IT&R 5,6               | 5.3           |
| E5 | Implement a two-<br>factor authentication<br>method for staff and<br>faculty  | CISO            | \$35K<br>(Not<br>Funded) | Improved security   | 160 hours to explore and pilot a new system. 4 hours per week for ongoing maintenance and user support.                                    | Need<br>Identity<br>Managemen<br>t System                                       | IT&R 4,5               | 1.1           |
| E6 | Implement a plan to remove older data from the SWC network storage arrays   | CISO            |                          | Positive percent usage  | 80 hours   | Design IT process   | IT&R 5                 | 5.2<br>5.4    |
| E7 | Provide additional network storage space for employees;   | CISO            |                          | Ample<br>storage space<br>for<br>documents  | Short-term solution<br>\$20K for the expansion<br>of the technologies; 60<br>hours to install.   | IP with SAN   | IT&R 5                 | 5.3<br>5.4    |

|     | Action Step  | Lead<br>Manager | Program<br>Review | Performance<br>Indicators   | Required Resources  | Status &<br>Outcome   | Strategic<br>Objective | Tech<br>Goals |
|-----|--|-----------------|-------------------|---|---|---|------------------------|---------------|
| E8  | Implement network bandwidth shaping to prevent one type of traffic, such as video, from overwhelming all other types of traffic such as web browsing | CISO            |                   | The network will not be overly congested by one type of traffic, such as video. | 160 hours to research<br>and install; 4 hours per<br>week for ongoing<br>maintenance and user<br>support. | Needed?   | IT&R 4,5               | 5.2<br>5.3    |
| E9  | Re-implement<br>Microsoft Project<br>Server  | CISO            |                   | Provides tools<br>to assist with<br>Project<br>Management                       |   |   | IT&R 4,5               | 4.1           |
| E10 | Virtual Desktop<br>Infrastructure  | CISO            |                   | Provides<br>consistent<br>and efficient<br>lab images                           | Network team on infrastructure and Instructional Lab technician team on the client side                   | Requires<br>significant<br>investment<br>in time and<br>money | IT&R 4,5               | 1.3, 1.6      |

## **TECHNOLOGY SUPPORT**

|    | Action Step   | Lead<br>Manager | Program<br>Review   | Performance<br>Indicators  | Required Resources  | Status &<br>Outcome                             | Strategic<br>Objective    | Tech<br>Goals   |
|----|---|-----------------|---------------------|--|---|---|---------------------------|---|
| F1 | Desktop and AV annual upgrade project   | CISO            | \$500K<br>(Funded)  | Replace<br>obsolete<br>hardware  | 250 hours of IT time  | Improved efficiency                             | IT&R 4,5                  | 1.3   |
| F2 | Analyze and deploy a new Work Order system to replace Heat. Look for collaboration with Facilities  | CISO            | AS 6, RR<br>1 \$85K | Number of<br>work orders<br>for each staff<br>member                           | 80 hours to develop the plan; 16 hours per week to implement the plan; 8 hours per week for ongoing maintenance and user support. | Improves<br>productivity<br>and<br>organization | IT&R 4,5                  | 4.2   |
| F3 | Desktop and multifunction printer analysis  | CISO            |                     | Decrease in cost for consumables   | 40 hours to develop the plan; bring vendor on campus to run page count analysis   | Save money<br>on<br>consumable<br>s             | IT&R 4,5                  | 4.5   |
| F4 | Develop service level agreements (SLAs) for the Help Desks for all SWC locations (HELP Desk only in Maintenance and IT at this time). Develop Service Catalog                   | CISO            |                     | SLAs to cover<br>the major<br>functions of<br>the Help<br>Desks.               | 80 hours for the<br>development of each<br>SLA.   | Better<br>customer<br>communicati<br>on         | IT&R 4,5                  | 6.1   |
| F5 | Development of policies, procedures, and guidelines for college-wide technology requests, usage, services and support to be included in the SWC Procedures manual as applicable | CISO            |                     | Users will have a better understandin g of technology policies and procedures. | Also 40 hours to<br>develop the plan; bring<br>vendor on campus to<br>run page count analysis                                     |   | TR 3,5,6<br>PFR 3<br>TL 1 | 1.2<br>2.1<br>2.3<br>2.4<br>4.3<br>4.5<br>4.6<br>5.2<br>6.2 |

#### **DIGITAL COMMUNICATIONS**

|    | Action Step  | Lead<br>Manager       | Program<br>Review                | Performance<br>Indicators   | Required<br>Resources   | Status &<br>Outcome  | Strategic<br>Objective | Tech<br>Goals |
|----|--|-----------------------|----------------------------------|---|---|--|------------------------|---------------|
| G1 | Implement a one-card security system for universal access to all District spaces,  | Dir of<br>Facilities  | AS 5, RR 5<br>\$250K             | Centralized<br>access to<br>building  | Funding.<br>Infrastructure.<br>Technical<br>system<br>development.  | Improved<br>security<br>with more<br>manageme<br>nt &<br>control | IT&R 4,5               | 5.7           |
| G2 | Exchange 2013 and calendar utilization rollout   | CISO                  |                                  | software<br>upgrade is<br>required  | 200 hours from<br>IT  | More<br>effective<br>communica<br>tion and<br>efficiency         | IT&R 4,5               | 5.7           |
| G3 | Provide additional audio and video conferencing resources  | CISO                  |                                  | Available<br>audio-video<br>conferencing<br>resources for<br>meetings<br>spanning<br>both<br>locations. | Additional software -based systems or portable video conferencing units); 4 hours of support per meeting. | In Process<br>with 100A<br>upgrade<br>project                    | IT&R 4,5               | 7.4<br>7.5    |
| G4 | Establish district-wide project to unify communications for voice, email, and emerging technologies                        | CISO                  | AS 7, RR 1<br>\$450K<br>(Funded) | Unified communicati on system   | Funding   | Need VOIP  | IT&R 4,5               | 7.1           |
| G5 | SharePoint development team to provide knowledge and training to District on best practices                                | CISO                  |                                  | PD to train<br>Users  | 150 hours from<br>IT  | Better<br>adoption of<br>SharePoint                              | IT&R 4,5               | 2.1<br>6.2    |
| G6 | Review and implement Self<br>Service Copier Card Reader by<br>which access to SWC's self-<br>service copiers is controlled | OSS<br>Supervis<br>or |                                  | Users trained<br>and using<br>process for<br>self-copying   | 80 hours from IT  | Increased productivit y  | IT&R 4,5               | 5.7           |

To summarize the projects and to identify the various Action Steps along with each Resource Request from the IT Program Review are reference in the last section of the Tech Plan. That information is then cross referenced with not only the District's Strategic Priority but also with the Tech Plan objectives.

**Top 20 IT Program Review action steps related to Tech Plan Objectives** 

| Item  |                      |         |     |        |                          | Status          | Tech Plan  |
|---|----------------------|---------|-----|--------|--------------------------|-----------------|------------|
| Disaster Recovery   | Item                 | AS & RR | Pri | Amount | Category                 | Summer 2016     | Objectives |
| Academic equipment upgrade  |                      |         |     |        |                          | 95% complete    |            |
| upgrade         2 / 2         2         none         Instructional Technology         Summer 16         B1           District portal         4 / 1         3         \$85K         Admin Computing         IP 6/29/16         D1, E5           Deploy new work order system         6 / 1         4         \$85K         Technology support         F2, F4           Employee evaluation tool for HR         4 / 3         5         \$50K         Admin Computing         D3           IStrategy replacement app         4 / 4         6         \$65K         Admin Computing         Phase 1 (BO) done 4/1/16         D4           SQL migration         4 / 4         7         \$150K         Admin Computing         6/29/16         D2           Google email for students         1 / 1         8         \$55K         Student Access         Server received done 4/1/16, A1, A2           Arrow application         3 / 1         9         \$65K         Student Access         Online 4/1/16, A1, A2           Brite license for software         2 / 1         10         \$70K         Instructional Technology         Reeded         C8           Broam Schedule application         4 / 5         12         \$65K         Admin Computing         Analysis needed         E1, E2, E3           R  | Disaster Recovery    | 5/2     | 1   | \$35K  | Network Infrastructure   | as of 6/16/16   | E1, E2, E3 |
| District portal   4 / 1   3   \$85K   Admin Computing   P 6/29/16   D1, E5  | Academic equipment   |         |     |        |                          | 50 projectors   |            |
| District portal   | upgrade              | 2/2     | 2   | none   | Instructional Technology | Summer 16       | B1         |
| Deploy new work order system  | , ,                  | -       |     |        | 9.                       | Student email   |            |
| Deploy new work order system 6 / 1  | District portal      | 4/1     | 3   | \$85K  | Admin Computing          | IP 6/29/16      | D1, E5     |
| Employee evaluation tool for HR   | Deploy new work      |         |     |        |                          | RFP IP          |            |
| Employee evaluation tool for HR   | order system         | 6/1     | 4   | \$85K  | Technology support       |                 | F2, F4     |
| tool for HR         4/3         5         \$50K         Admin Computing         D3           iStrategy replacement app         4/4         6         \$65K         Admin Computing         Phase 1 (BO) done 4/1/16         D4           SQL migration         4/4         7         \$150K         Admin Computing         6/29/16         D2           Google email for students         1/1         8         \$55K         Student Access         online 4/1/16, A1, A2           eForms application         3/1         9         \$65K         Student Services         needed         C8           Site license for software         2/1         10         \$70K         Instructional Technology         needed         B2           Data Center Infrastructure         5/1         11         \$150K         Network Infrastructure         needed Analysis needed         E1, E2, E3           Room schedule application         4/5         12         \$65K         Admin Computing         6/15/16         D9, D11           Time & Attendance Reporting         4/6         13         \$30K         Admin Computing         needed         D12           Assignment Contracts         4/7         14         \$45K         Admin Computing         server 6/15/16         D15, D16  | Employee evaluation  | -       |     |        | 3, ,,                    | IP 7/1/16       |            |
| iStrategy replacement app 4/4 6 \$65K Admin Computing done 4/1/16 D4  SQL migration 4/4 7 \$150K Admin Computing 6/29/16 D2  Google email for students 1/1 8 \$55K Student Access online 4/1/16, A1, A2  eForms application 3/1 9 \$65K Student Services needed C8  Site license for software 2/1 10 \$70K Instructional Technology needed B2  Data Center Infrastructure 5/1 11 \$150K Network Infrastructure need Analysis e1, E2, E3  Room schedule application 4/5 12 \$65K Admin Computing 6/15/16 D9, D11  Time & Attendance Reporting 4/6 13 \$30K Admin Computing needed D12  Assignment Alaysis needed D14  Online budget report tool 4/8 15 \$35K Admin Computing needed D14  Online budget report tool 4/8 15 \$35K Admin Computing Server 6/15/16 E6  Deploy App monitor system 5/3 17 \$35K Network Infrastructure Solarwinds E4  Building access and security 7/1 18 \$250K Digital Communications 6/27/16 G4  Virtual Desktop Waiting for  |                      | 4/3     | 5   | \$50K  | Admin Computing          |                 | D3         |
| replacement app 4 / 4 6 \$65K Admin Computing done 4/1/16 D4  SQL migration 4 / 4 7 \$150K Admin Computing 6/29/16 D2  Google email for students 1/1 8 \$55K Student Access online 4/1/16, A1, A2  Forms application 3 / 1 9 \$65K Student Services needed C8  Site license for software 2 / 1 10 \$70K Instructional Technology needed B2  Data Center Infrastructure 5 / 1 11 \$150K Network Infrastructure need Analysis E1, E2, E3  Room schedule application 4 / 5 12 \$65K Admin Computing 6/15/16 D9, D11  Time & Attendance Reporting 4 / 6 13 \$30K Admin Computing needed D12  Assignment Online budget report tool 4 / 8 15 \$35K Admin Computing server 6/15/16 E6  Deploy App monitor system 5 / 3 17 \$35K Network Infrastructure Solarwinds E4  Building access and security 7 / 1 18 \$250K Digital Communications 7/1/16 G4  Virtual Desktop Waiting for   | iStrategy            | -       |     | -      |                          | Phase 1 (BO)    |            |
| SQL migration 4/4 7 \$150K Admin Computing 6/29/16 D2 Google email for students 1/1 8 \$55K Student Access online 4/1/16, A1, A2 eForms application 3/1 9 \$65K Student Services needed C8 Site license for software 2/1 10 \$70K Instructional Technology needed B2 Data Center Infrastructure 5/1 11 \$150K Network Infrastructure need Analysis E1, E2, E3 Room schedule application 4/5 12 \$65K Admin Computing 6/15/16 D9, D11 Time & Attendance Reporting 4/6 13 \$30K Admin Computing needed D12 Assignment Contracts 4/7 14 \$45K Admin Computing needed D14 Online budget report tool 4/8 15 \$35K Admin Computing server 6/15/16 D15, D16 Replace old SNAP servers 5/2 16 \$25K Network Infrastructure 6/15/16 E6 Deploy App monitor system 5/3 17 \$35K Network Infrastructure Solarwinds E4 Building access and security 7/1 18 \$250K Digital Communications 7/1/16 G4 Virtual Desktop Waiting for  |                      | 4/4     | 6   | \$65K  | Admin Computing          |                 | D4         |
| Google email for students 1/1 8 \$55K Student Access online 4/1/16, A1, A2  eForms application 3/1 9 \$65K Student Services needed C8  Site license for software 2/1 10 \$70K Instructional Technology needed B2  Data Center Infrastructure 5/1 11 \$150K Network Infrastructure need Analysis E1, E2, E3  Room schedule application 4/5 12 \$65K Admin Computing 6/15/16 D9, D11  Time & Attendance Reporting 4/6 13 \$30K Admin Computing needed D12  Assignment Analysis needed D14  Online budget report tool 4/8 15 \$35K Admin Computing server 6/15/16 E6  Deploy App monitor system 5/3 17 \$35K Network Infrastructure Security Bldg IP security 7/1 18 \$250K Digital Communications 7/1/16 G4  Virtual Desktop Table 10 Tool 10 Too | , , , ,              |         |     |        |                          | Server received |            |
| students 1/1 8 \$55K Student Access online 4/1/16, A1, A2  eForms application 3/1 9 \$65K Student Services needed C8  Site license for software 2/1 10 \$70K Instructional Technology needed B2  Data Center Infrastructure 5/1 11 \$150K Network Infrastructure need Analysis E1, E2, E3  Room schedule application 4/5 12 \$65K Admin Computing 6/15/16 D9, D11  Time & Attendance Reporting 4/6 13 \$30K Admin Computing needed D12  Assignment Analysis needed D12  Assignment Analysis needed D14  Online budget report tool 4/8 15 \$35K Admin Computing server 6/15/16 D15, D16  Replace old SNAP servers 5/2 16 \$25K Network Infrastructure 6/15/16 E6  Deploy App monitor system 5/3 17 \$35K Network Infrastructure Security F1 18 \$250K Digital Communications 6/27/16 G1  Replace phone system with VOIP 7/1 19 \$450K Digital Communications 7/1/16 G4  Virtual Desktop Waiting for  | SQL migration        | 4/4     | 7   | \$150K | Admin Computing          | 6/29/16         | D2         |
| eForms application 3 / 1 9 \$65K Student Services needed C8  Site license for software 2 / 1 10 \$70K Instructional Technology needed B2  Data Center Infrastructure 5 / 1 11 \$150K Network Infrastructure need Analysis E1, E2, E3  Room schedule application 4 / 5 12 \$65K Admin Computing 6/15/16 D9, D11  Time & Attendance Reporting 4 / 6 13 \$30K Admin Computing needed D12  Assignment Analysis needed D14  Online budget report tool 4 / 8 15 \$35K Admin Computing server 6/15/16 D15, D16  Replace old SNAP servers 5 / 2 16 \$25K Network Infrastructure 6/15/16 E6  Deploy App monitor system 5 / 3 17 \$35K Network Infrastructure Solarwinds E4  Building access and security 7 / 1 18 \$250K Digital Communications 6/27/16 G1  Replace phone system with VOIP 7 / 1 19 \$450K Digital Communications 7/1/16 G4  Virtual Desktop Time Analysis needed D12  Analysis needed D12  Analysis needed D12  Analysis needed D12  Analysis needed D14  Analysis needed D12  Analysis needed D12  Analysis needed D14  Analysis needed D14  Analysis needed D15/16 D9, D11  E1, E2, E3  Amin Computing needed D12  Synoptics Synoptics Server 6/15/16 D15, D16  Server received 6/15/16 E6  Fire, UPS, Gen: needed Analysis E1, E2, E3  Amin Computing needed D12  Assignment Computing needed D12  Synoptics Synoptics Server 6/15/16 D15, D16  Server received Server received Server F0/15/16 E6  D15, D16  D16  D16, D16  D17  D18  D18  D19  D19  D19  D19  D19  D19                                       | Google email for     |         |     |        |                          | Google docs     |            |
| eForms application 3 / 1 9 \$65K Student Services needed C8  Site license for software 2 / 1 10 \$70K Instructional Technology needed B2  Data Center Infrastructure 5 / 1 11 \$150K Network Infrastructure need Analysis E1, E2, E3  Room schedule application 4 / 5 12 \$65K Admin Computing Phase 1 6/15/16 D9, D11  Time & Attendance Reporting 4 / 6 13 \$30K Admin Computing needed D12  Assignment Analysis needed D12  Assignment Source Analysis Needed D12  Assignment Analysis Needed D14  Online budget report tool 4 / 8 15 \$35K Admin Computing server 6/15/16 D15, D16  Replace old SNAP Server received Servers 5 / 2 16 \$25K Network Infrastructure Solarwinds E4  Building access and security 7 / 1 18 \$250K Digital Communications 6/27/16 G1  Replace phone System with VOIP 7 / 1 19 \$450K Digital Communications 7/1/16 G4  Virtual Desktop Time Analysis needed D12  Analysis needed D12  Admin Computing needed D14  Analysis needed D12  Analysis needed D14  Analysis needed D12  Analysis needed D14  Analysis needed D14  Analysis needed D15/16 D9, D15  Analysis needed D14  Analysis needed D15/16  Analysis needed D14  Analysis needed D15/16  Analysis needed D12  Assignment Nallysis needed D12  Analysis needed Nallysis needed D12  Analysis needed Nallysis needed D14  Analysis needed Nallysis needed D14  Analysis needed Nallysis needed D12  Analysis needed D15/16 D9, D15, D16  Assignment Nallysis needed D12  Analysis needed D14  Analysis needed D12  Analysis needed D14  Analysis needed D12  Analysis needed D12  Analysis needed D14  Analysis needed D12  Analysis needed D12  Analysis needed D12  Analysis needed D12  Analysis needed D15  Analysis needed D12  Analysis needed D14  Analysis ne | students             | 1/1     | 8   | \$55K  | Student Access           | online 4/1/16,  | A1, A2     |
| Site license for software 2 / 1 10 \$70K Instructional Technology needed B2  Data Center   Fire, UPS, Gen: need Analysis   Fire         |                      |         |     |        |                          | Analysis        |            |
| Site license for software 2 / 1 10 \$70K Instructional Technology needed B2  Data Center   Fire, UPS, Gen: need Analysis E1, E2, E3  Room schedule application 4 / 5 12 \$65K Admin Computing 6/15/16 D9, D11  Time & Attendance Reporting 4 / 6 13 \$30K Admin Computing needed D12  Assignment Analysis Network Infrastructure Needed D14  Online budget report tool 4 / 8 15 \$35K Admin Computing Server 6/15/16 D15, D16  Replace old SNAP servers 5 / 2 16 \$25K Network Infrastructure Solarwinds E4  Building access and security 7 / 1 18 \$250K Digital Communications Fellow Waiting for   | eForms application   | 3/1     | 9   | \$65K  | Student Services         | needed          | C8         |
| Data Center Infrastructure 5 / 1 11 \$150K Network Infrastructure need Analysis E1, E2, E3  Room schedule application 4 / 5 12 \$65K Admin Computing 6/15/16 D9, D11  Time & Attendance Reporting 4 / 6 13 \$30K Admin Computing needed D12  Assignment Analysis needed D14  Online budget report tool 4 / 8 15 \$35K Admin Computing needed D15/16 D15, D16  Replace old SNAP Server received servers 5 / 2 16 \$25K Network Infrastructure 6/15/16 E6  Deploy App monitor system 5 / 3 17 \$35K Network Infrastructure Security Replace phone system with VOIP 7 / 1 19 \$450K Digital Communications 7/1/16 G4  Virtual Desktop Face of Signal Server Signal   | Site license for     |         |     |        |                          | Analysis        |            |
| Data Center Infrastructure 5 / 1 11 \$150K Network Infrastructure need Analysis E1, E2, E3  Room schedule application 4 / 5 12 \$65K Admin Computing 6/15/16 D9, D11  Time & Attendance Reporting 4 / 6 13 \$30K Admin Computing needed D12  Assignment Analysis needed D14  Online budget report tool 4 / 8 15 \$35K Admin Computing needed D15/16 D15, D16  Replace old SNAP Server seceived servers 5 / 2 16 \$25K Network Infrastructure 6/15/16 E6  Deploy App monitor system 5 / 7 1 18 \$250K Digital Communications 6/27/16 G1  Replace phone system with VOIP 7 / 1 19 \$450K Digital Communications 7/1/16 G4  Virtual Desktop Face of Analysis needed D12  Admin Computing needed D14  Analysis needed D12  Assignment System Infrastructure Solarwing Server 6/15/16 E6  Deploy App monitor Solarwinds E4  Digital Communications G/27/16 G1  Telco to IT Telco to    | software             | 2/1     | 10  | \$70K  | Instructional Technology | needed          | B2         |
| Room schedule application 4 / 5 12 \$65K Admin Computing 6/15/16 D9, D11  Time & Attendance Reporting 4 / 6 13 \$30K Admin Computing needed D12  Assignment Analysis needed D14  Contracts 4 / 7 14 \$45K Admin Computing needed D14  Online budget report tool 4 / 8 15 \$35K Admin Computing server 6/15/16 D15, D16  Replace old SNAP Server received servers 5 / 2 16 \$25K Network Infrastructure 6/15/16 E6  Deploy App monitor system 5 / 3 17 \$35K Network Infrastructure Solarwinds E4  Building access and security 7 / 1 18 \$250K Digital Communications 6/27/16 G1  Replace phone system with VOIP 7 / 1 19 \$450K Digital Communications 7/1/16 G4  Virtual Desktop Waiting for  | Data Center          |         |     |        |                          | Fire, UPS, Gen: |            |
| Room schedule<br>application4 / 512\$65KAdmin ComputingPhase 1<br>6/15/16D9, D11Time & Attendance<br>Reporting4 / 613\$30KAdmin ComputingneededD12Assignment<br>Contracts4 / 714\$45KAdmin ComputingneededD14Online budget report<br>tool4 / 815\$35KAdmin ComputingServer 6/15/16D15, D16Replace old SNAP<br>servers5 / 216\$25KNetwork Infrastructure6/15/16E6Deploy App monitor<br>system5 / 317\$35KNetwork InfrastructureSolarwindsE4Building access and<br>security7 / 118\$250KDigital Communications6/27/16G1Replace phone<br>system with VOIP7 / 119\$450KDigital Communications7/1/16G4Virtual DesktopWaiting for   | Infrastructure       | 5/1     | 11  | \$150K | Network Infrastructure   | need Analysis   | E1, E2, E3 |
| Time & Attendance Reporting 4 / 6 13 \$30K Admin Computing needed D12  Assignment Contracts 4 / 7 14 \$45K Admin Computing needed D14  Online budget report tool 4 / 8 15 \$35K Admin Computing server 6/15/16 D15, D16  Replace old SNAP Server received servers 5 / 2 16 \$25K Network Infrastructure 6/15/16 E6  Deploy App monitor system 5 / 3 17 \$35K Network Infrastructure Solarwinds E4  Building access and security 7 / 1 18 \$250K Digital Communications 6/27/16 G1  Replace phone system with VOIP 7 / 1 19 \$450K Digital Communications 7/1/16 G4  Virtual Desktop Waiting for   | Room schedule        | -       |     |        |                          | Phase 1         |            |
| Time & Attendance Reporting 4 / 6 13 \$30K Admin Computing needed D12  Assignment Contracts 4 / 7 14 \$45K Admin Computing needed D14  Online budget report tool 4 / 8 15 \$35K Admin Computing server 6/15/16 D15, D16  Replace old SNAP Server received servers 5 / 2 16 \$25K Network Infrastructure 6/15/16 E6  Deploy App monitor system 5 / 3 17 \$35K Network Infrastructure Solarwinds E4  Building access and security 7 / 1 18 \$250K Digital Communications 6/27/16 G1  Replace phone system with VOIP 7 / 1 19 \$450K Digital Communications 7/1/16 G4  Virtual Desktop Waiting for   | application          | 4/5     | 12  | \$65K  | Admin Computing          | 6/15/16         | D9, D11    |
| Reporting 4 / 6 13 \$30K Admin Computing needed D12  Assignment Analysis needed D14  Online budget report tool 4 / 8 15 \$35K Admin Computing Synoptics server 6/15/16 D15, D16  Replace old SNAP Servers 5 / 2 16 \$25K Network Infrastructure 6/15/16 E6  Deploy App monitor system 5 / 3 17 \$35K Network Infrastructure Solarwinds E4  Building access and security 7 / 1 18 \$250K Digital Communications 6/27/16 G1  Replace phone system with VOIP 7 / 1 19 \$450K Digital Communications 7/1/16 G4  Virtual Desktop Waiting for   | Time & Attendance    | -       |     |        |                          | Analysis        |            |
| Assignment Contracts 4 / 7 14 \$45K Admin Computing  Online budget report tool 4 / 8 15 \$35K Admin Computing  Synoptics server 6/15/16 D15, D16  Replace old SNAP servers 5 / 2 16 \$25K Network Infrastructure  Deploy App monitor system 5 / 3 17 \$35K Network Infrastructure  Solarwinds E4  Building access and security 7 / 1 18 \$250K Digital Communications  Replace phone system with VOIP 7 / 1 19 \$450K Digital Communications  Virtual Desktop  Waiting for  | Reporting            | 4/6     | 13  | \$30K  | Admin Computing          | •               | D12        |
| Contracts 4 / 7 14 \$45K Admin Computing needed D14  Online budget report tool 4 / 8 15 \$35K Admin Computing server 6/15/16 D15, D16  Replace old SNAP Servers 5 / 2 16 \$25K Network Infrastructure 6/15/16 E6  Deploy App monitor system 5 / 3 17 \$35K Network Infrastructure Solarwinds E4  Building access and security 7 / 1 18 \$250K Digital Communications 6/27/16 G1  Replace phone System with VOIP 7 / 1 19 \$450K Digital Communications 7/1/16 G4  Virtual Desktop Waiting for   |                      | -       |     |        |                          | Analysis        |            |
| Online budget report tool 4 / 8 15 \$35K Admin Computing Synoptics server 6/15/16 D15, D16  Replace old SNAP Servers 5 / 2 16 \$25K Network Infrastructure 6/15/16 E6  Deploy App monitor system 5 / 3 17 \$35K Network Infrastructure Solarwinds E4  Building access and security 7 / 1 18 \$250K Digital Communications 6/27/16 G1  Replace phone system with VOIP 7 / 1 19 \$450K Digital Communications 7/1/16 G4  Virtual Desktop Waiting for  | _                    | 4/7     | 14  | \$45K  | Admin Computing          | •               | D14        |
| tool 4/8 15 \$35K Admin Computing server 6/15/16 D15, D16  Replace old SNAP Server received 6/15/16 E6  Deploy App monitor System 5/3 17 \$35K Network Infrastructure Solarwinds E4  Building access and Security 7/1 18 \$250K Digital Communications 6/27/16 G1  Replace phone System with VOIP 7/1 19 \$450K Digital Communications 7/1/16 G4  Virtual Desktop G1  Virtual Desktop   | Online budget report | -       |     |        |                          | Synoptics       |            |
| Replace old SNAP servers 5 / 2 16 \$25K Network Infrastructure 6/15/16 E6  Deploy App monitor system 5 / 3 17 \$35K Network Infrastructure Solarwinds E4  Building access and security 7 / 1 18 \$250K Digital Communications 6/27/16 G1  Replace phone system with VOIP 7 / 1 19 \$450K Digital Communications 7/1/16 G4  Virtual Desktop G1 Server received 6/15/16 E6  IP: Splunk & Solarwinds E4  Security Bldg IP 6/27/16 G1  Telco to IT 7/1/16 G4  |                      | 4/8     | 15  | \$35K  | Admin Computing          |                 | D15, D16   |
| servers 5 / 2 16 \$25K Network Infrastructure 6/15/16 E6  Deploy App monitor system 5 / 3 17 \$35K Network Infrastructure Solarwinds E4  Building access and security 7 / 1 18 \$250K Digital Communications 6/27/16 G1  Replace phone system with VOIP 7 / 1 19 \$450K Digital Communications 7/1/16 G4  Virtual Desktop G1 \$25K Network Infrastructure Solarwinds E4  Building access and Security Bldg IP 6/27/16 G1  Telco to IT 7/1/16 G4  Waiting for  | Replace old SNAP     | -       |     | -      |                          |                 |            |
| Deploy App monitor system 5 / 3 17 \$35K Network Infrastructure Solarwinds E4  Building access and security 7 / 1 18 \$250K Digital Communications 6/27/16 G1  Replace phone system with VOIP 7 / 1 19 \$450K Digital Communications 7/1/16 G4  Virtual Desktop   Virtual D       |                      | 5/2     | 16  | \$25K  | Network Infrastructure   |                 | E6         |
| system 5 / 3 17 \$35K Network Infrastructure Solarwinds E4  Building access and security 7 / 1 18 \$250K Digital Communications 6/27/16 G1  Replace phone system with VOIP 7 / 1 19 \$450K Digital Communications 7/1/16 G4  Virtual Desktop G1  Waiting for  | Deploy App monitor   | -       |     |        |                          | IP: Splunk &    |            |
| Building access and security 7 / 1 18 \$250K Digital Communications 6/27/16 G1  Replace phone system with VOIP 7 / 1 19 \$450K Digital Communications 7/1/16 G4  Virtual Desktop Security Bldg IP 6/27/16 G1  Telco to IT 7/1/16 G4  Waiting for  | 1 ' ' ' '            | 5/3     | 17  | \$35K  | Network Infrastructure   | •               | E4         |
| security 7 / 1 18 \$250K Digital Communications 6/27/16 G1  Replace phone system with VOIP 7 / 1 19 \$450K Digital Communications 7/1/16 G4  Virtual Desktop Waiting for  | •                    |         |     |        |                          |                 |            |
| Replace phone system with VOIP 7 / 1 19 \$450K Digital Communications 7/1/16 G4 Virtual Desktop Waiting for   | _                    | 7/1     | 18  | \$250K | Digital Communications   |                 | G1         |
| system with VOIP 7 / 1 19 \$450K Digital Communications 7/1/16 G4 Virtual Desktop Waiting for   |                      | -       |     |        |                          |                 |            |
| Virtual Desktop Waiting for   | · •                  | 7/1     | 19  | \$450K | Digital Communications   |                 | G4         |
|   | •                    | •       |     |        | <u> </u>                 |                 |            |
|   | ·                    |         |     |        | Student Access           | opportunity     |            |

#### Technology Goals and Strategies summary with representative activity

#### 1. STUDENT ACCESS

- 1.1 Identity Management (PortalGuard connected to AD: 8/16)
- 1.2 Computer Lab Operations (Defined responsibilities of lab team: spring 16)
- 1.3 Computer Lab Hardware and Software (Update to Ghost: 8/16)
- 1.4 Online Courses and Programs (OLC testing Canvas: 8/16)
- 1.5 Online Learning and Support Services (Testing SSO for Blackboard: 8/16)
- 1.6 Virtual Desktop Computing (Building bandwidth of network team: 3/16)

#### 2. Instructional Technology

- **2.1 Instructor Support** (Change phones to dial out in lectures and labs)
- **2.2 Online Lectures (DE Training for Camtasia: 8/16)**
- 2.3 Smart Classrooms (AV upgrade project, 50 rooms updated: summer 16)
- 2.4 Instructional Content (DECT-grant use to make videos closed captioned)

#### 3. Enterprise Resource Programs for Student, Academic, & Business Affairs

- 3.1 Processing Calendar Development (Room charts under IEPI: 8/16)
- 3.2 Financial Aid (Student self-service modules: 6/16)
- **3.3 Matriculation** (Evaluating Common Assessment Initiative (CAI))
- 3.4 Reporting Enhancements (CROA and Dashboards: future plan)

#### 4. ADMINISTRATIVE COMPUTING

- 4.1 Custom Application Development (FTES reports for AA: 8/16)
- **4.2 Network Application Support (**Delivered Exchange 2013 migration: 7/16)
- **4.3 Hardware and Software Standards** (Setup online HP/Mercury integration)
- 4.4 Access from Off-Campus (Enhanced VPN and more browser apps (OWA))
- **4.5 Printer Standards and Support** (Planning printer site survey)
- **4.6 Institutional Software Licenses (**Adobe site license: 6/14, Camtasia 10/16)

#### 5. NETWORK INFRASTRUCTURE

- **5.1 Wireless Access (Redesigned infrastructure: 7/16)**
- 5.2 Network Infrastructure Standards (Created Network Section 27 doc: 5/13)
- 5.3 Network Management (Deployment of Solar Winds and Splunk: 8/16)
- **5.4 Network Storage** (Implemented 3PAR SAN: 2/16)
- 5.5 Disaster Recovery (Deployed DR site: 6/16)
- **5.6 Administrative Server Virtualization** (Converted to new blades: 10/15)
- 5.7 Application Design and Implementation (Smartsheet project tracking: 8/16)

#### **6.** TECHNOLOGY SUPPORT

- **6.1 Service Level Agreements (Implementing ServiceNow: 10/16)**
- 6.2 Tech Training for Instruction (Planning Smart Classroom videos: 11/16)

#### 7. DIGITAL COMMUNICATIONS

- **7.1 Unified Communications** (Telco to IT 7/16, VOIP pending 2017)
- **7.2 District Portal** (Student email on 9/16, portal spring 17)
- **7.3 Website Development** (508 accessibility updates: 6/16)
- **7.4 Video Conferencing** (Setup S/P conference room: 7/16)
- **7.5 Emerging Communications** (Skype for business: future plan)

**Table 6: Acronym definitions** 

| Acronym | Definition                              | Acronym | Definition                               |
|---------|---|---------|--|
|         |   |         |  |
| SCC     | Shared Consultation Committee           | SP      | Strategic Plan                           |
| ITC     | Institutional Technology Committee      | SS      | Student Success (SP)                     |
| SWC     | Southwestern College                    | AA      | Academic Affairs                         |
| IT      | Institutional Technology                | OE      | Organizational Effectiveness (SP)        |
| ATC     | Academic Technology Committee           | IT&R    | Institutional Technology & Research (SP) |
| HEC     | Higher Education Center                 | T&L     | Teaching and Learning (SP)               |
| AV      | Audio Visual                            | PFR     | Physical and Financial Resources (SP)    |
| CISO    | Chief Information Systems Officer       | EAP     | Ellucian Action Plan                     |
| AS      | Program Review Action Step              | ACO     | Assignment Contracts                     |
| RR      | Program Review Resource Request         | IP      | In Process                               |
| ISS     | Instructional Support Services          | HR      | Human Resources (SP)                     |
| OSS     | Office Support Services                 | SA      | Student Access (SP)                      |
| DE      | Distance Education                      | SLA     | Service Level Agreements                 |
| OLC     | Online Learning Center                  | DR      | Disaster Recovery                        |
| SSO     | Single Sign On                          | OWA     | Outlook Web Access                       |
| IEPI    | Institutional Effectiveness Partnership | ACCJC   | Accrediting Commission for Community     |
|         | Initiative                              |         | and Junior Colleges                      |
| CAI     | Common Assessment Initiative            | FTES    | Full Time Equivalent Students            |
| CROA    | Colleague Reporting and Operational     | WASC    | Western Association of Schools and       |
|         | Analytics                               |         | Colleges                                 |
| SA      | Student Affairs                         |         |  |
| SAN     | Storage Area Network                    |         |  |
| VPN     | Virtual Private Networking              |         |  |
|         |   |         |  |