

# NORTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT DISTRICT INFORMATION SERVICES TECHNOLOGY PLAN 2011-2015



### Strategy #1: Provide the Best Technology for the Best Value

- Information Services can best accomplish this goal by focusing on the following objectives:

  ✓ Implementing technologies that can directly impact student success,

  ✓ Exploring new and better technologies to meet the needs of our staff, and

  ✓ Leveraging the assets we already have including our people and systems to better serve our students and staff.

GOALS	STATUS	ACTIVITIES	DISTRICT-
0 01220			WIDE 2014-17
			STRATEGIC
			PLAN/ 2014-15
			CHANCELLOR
			GOAL (S)
_			ADDRESSED
Leverage our	Training:	Provide staff training opportunities for:	
people asset to	• Educause – Deborah, Mike, Fred, Peter, Tom	New technologies	Strategic Plan:
improve student success	• CCC Banner Users Group – Deborah, Hani, Adam, Mike,	Mobile solutions	District Objective as
student success	Jason, Richard, Brad, Fred, Chris, Tom	Testing strategies to streamline testing efforts	District Objective 1.1 District Objective 1.2
	Ellucian Live – online for all staff	Information Security	District Objective 1.2 District Objective 1.3
	Gartner Business Intelligence – Deborah		District Objective 1.3  District Objective 1.4
	Cisco Certification – Boaz		District Objective 1.4 District Objective 2.1
	CENIC – Boaz, Deborah	Investigate the use of collaboration tools such as Sharepoint and myGateway for use across the district; help employees learn to use them for improved service to students and	District Objective 2.2
	VPLS Training – Boaz	better productivity	District Objective 3.1
	Library Users – Richard	better productivity	District Objective 4.1
	Groovy, Grails Banner XE – Brad		District Objective 4.2
	CISO Certification – Fred, Peter		District Objective 4.3
	SSSP Implementation Summit – Fred		
	ACCJC – Deborah		Chancellor's Goals:
	• IPEDS Keyholder Training/Clearinghouse Academy – Beverly		
	Collaboration:		Increase Student
	Single Signon		Success
	NOCCCD Website update; portal replacement		Organize & Expand a
	Student Success initiatives including Ed Plan, Appointments		District-wide Staff
	Online Catalog/Schedule		Development Program
	Print Shop		Development i rogram
	District wide DNS		
	Wireless Anaheim		
	• Imaging		
	Data Warehouse (researchers)		
	Telecommunications Standards update		
	HR Revitalization		

			WIDE 2014-17
			STRATEGIC PLAN/ 2014-15 CHANCELLOR
			GOAL (S) ADDRESSED
systems asset to improve student success  Staf  Ima  Map  Curr  Stud	Fireless:  In progress; completion March 2015 yGateway:  Investigating new products aff Assignment Sheets:  Payroll project analysis continues; Online timekeeping in progress naging:  Document imaging system analysis underway apper:  Payroll process analysis begun to address Payroll/Benefits; ACA reporting implementation underway arricunet:  No progress with vendor address Initiatives:  Degree Works implementation in progress; live Spring 2015 SARS/Bookit – Regroup interface completed; investigating common appointment system etwork Upgrade  Bond Measure funding to upgrade network to 10Gb and provide District-wide Wireless ther  Implement Enterprise Scheduler to streamline Financial Aid processes  Implement Student Verification and Get SAP to improve service to Financial Aid students	<ul> <li>Investigate wireless alternatives for the Anaheim campus to improve student access to services and improve staff productivity</li> <li>Implement myGateway 2.0 with the following objectives:         <ul> <li>Unify communication for better student/staff collaboration</li> <li>Consolidate items that are replicated across district servers</li> <li>Blend off-campus and on-campus worlds for students so they are encouraged to use the system</li> <li>Provide mobility of system functions</li> <li>Establish communities for learning and students success</li> <li>Improve security</li> <li>Improve content delivery that will assist students and staff</li> </ul> </li> <li>Automate staff assignment sheets for better efficiency</li> <li>Provide a comprehensive and integrated Imaging strategy across the district to improve records retention and access for Board minutes/agenda items, Finance documents, Human resources documents and Student documents</li> <li>Provide self service solutions for International Students including SEVIS and CCCApply</li> <li>Retire Mapper by moving the Health Sciences, Payroll and Benefits components to Banner to eliminate redundancy and improve staff/student efficiency</li> <li>Integrate Curricinet with Banner for streamlined tracking of courses from creation to Chancellor Office approval</li> <li>Implement Students Education Plan/Degree Audit to improve student success</li> <li>Implement Student Planner/Calendar for registration (shopping cart style registration)</li> <li>Upgrade the Network by 2017</li> </ul>	Strategic Plan:  District Objective 1.2 District Objective 1.3 District Objective 4.3  Chancellor's Goals:  Increase Student Success

GOALS	STATUS	ACTIVITIES	DISTRICT- WIDE 2014-17 STRATEGIC PLAN/ 2014-15 CHANCELLOR GOAL (S) ADDRESSED
Encourage innovation and explore new and better technologies that can make our student/staff more successful	Testing:	<ul> <li>Explore better automated testing for system upgrades to improve staff efficiency and reduce errors</li> <li>Expand use of Virtualization using district-wide standards for:         <ul> <li>Desktops; staff and student</li> <li>Servers</li> <li>Network</li> </ul> </li> <li>Explore lecture capture tools for improved instruction</li> <li>Investigate Unified Communications alternatives once the CENIC pilot project is completed</li> <li>Develop mobile applications for improved student self service for:         <ul> <li>Tablet Devices</li> <li>Smart Phones</li> <li>Laptops/netbooks</li> </ul> </li> <li>Expand one-card services to minimize the number of cards a student needs</li> <li>Implement textbooks alternatives which decrease student costs including:         <ul> <li>Text rentals</li> <li>E-texts</li> <li>Free texts</li> </ul> </li> <li>Investigate and select desktop protection for anti-virus/malware to improve reliability of systems</li> <li>De-invest in e-mail; re-invest in other technologies to move effectively communicate with students</li> <li>Upgrade Video Conference Capability</li> <li>Investigate Internet Broadcast Capability</li> </ul>	Strategic Plan:  District Objective 1.2 District Objective 2.1 District Objective 2.2 District Objective 4.3  Chancellor's Goals:  Increase Student Success

## Strategy #2: Provide High Quality Customer Service

- Information Services can best accomplish this goal by focusing on the following goals:

  ✓ Improving the responsiveness to user (staff and student) needs to aid in their success, and

  ✓ Collaborate across the district to provide better service, eliminate redundancy and improve user satisfaction.

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GOALS	STATUS	ACTIVITIES	DISTRICT- WIDE 2014-17 STRATEGIC PLAN/ 2014-15 CHANCELLOR GOAL (S) ADDRESSED
Improve responsiveness to user needs	Self Service:  Developing common system for appointment scheduling; Regroup implementation completed  Online employment application in progress  Online Catalog/Schedule system selection in progress  Researcher data warehouse in progress  DegreeWorks in progress  Distance Education:  Improved process to load student in Blackboard in progress  Emergency /Informational Notifications (students/staff):  Regroup implementation completed	<ul> <li>Increase use of self service applications for:         <ul> <li>Appointments</li> <li>Financial aid</li> <li>Employee payroll/personnel forms</li> <li>Other applications</li> </ul> </li> <li>Improve delivery of Distance Education through a cost effective consolidated system</li> <li>Implement notifications to students and staff for informational messages (see Disaster Preparedness below)</li> </ul>	Strategic Plan:  District Objective 1.2 District Objective 1.3 District Objective 1.4 District Objective 4.3  Chancellor's Goals:  Increase Student Success  Stability of the Budget

GOALS	STATUS	ACTIVITIES	DISTRICT-
			WIDE 2014-17
			STRATEGIC
			PLAN/ 2014-15
			CHANCELLOR
			GOAL (S)
			ADDRESSED
Collaborate	Collaboration Across District:	> Improve collaboration across the district I.S. and ACT units by sharing expertise and	
across the	<ul> <li>Districtwide workgroups continue working on:</li> </ul>	networking	Strategic Plan:
district to	o Single Sign On	> Use the newly formed Technical Advisory Committee to:	D1 - 1 - 011
improve service to the end user	Active Directory	o Improve communications on technology strategies across the district	District Objective 2.1
to the end user	Centralized Authentication System	o Develop standards for improved efficiency across the District	District Objective 2.2 District Objective 4.3
	<ul> <li>Shared DNS services</li> <li>Technical Advisory Committee:</li> </ul>	<ul> <li>Create a Technology Plan for the district based on the Educational &amp; Facilities</li> <li>Master Plan and campus technology plans</li> </ul>	District Objective 4.3
	Incorporating Distance Education component	Consolidate network equipment into fewer devices i.e. combined firewall, VPN etc. where	Chancellor's Goals:
	Network:	practical	
	Wireless connectivity improvements be implemented	> Use common network vendors across district to contain costs	Increase Student
	District-wide	<ul> <li>Streamline parking permit process across district for cost savings and student</li> </ul>	Success
	Updating Telecommunications standards	convenience	G .: '.1
	Planning for network refresh	Explore best way to implement single sign-on for all district applications (i.e. InCommon,	Continue with Accreditation
	Parking Permit:	LDAP, etc)  Create a central data warehouse for research to support data- driven decision making	Compliance
	• Completed	<ul> <li>Implement a dashboard of key performance metrics</li> </ul>	Compliance
	Data Warehouse/Key Performance Metrics:	Leverage cloud applications for cost containment and ease of access for students/staff	Implement Master
	Project underway to improve ARGOS and develop Data  Warehouse	including:	Plan
	<ul><li>Warehouse</li><li>Creation of common Institutional Effectiveness Reporting</li></ul>	<ul> <li>Email across the district</li> </ul>	
	Tools using ACCJC format completed	<ul> <li>Shared applications such as office appliances</li> </ul>	Stability of the Budget
	Cloud Applications:	o Virtual labs	
	District to move to Office 365; Cypress completed;	<ul> <li>Storage</li> <li>Improve integration of Banner with county applications</li> </ul>	
	District/SCE in progress	Improve integration of banner with county applications	
	eLumen for SLO processing at Fullerton completed		
	Online employment application in progress		
	County Payroll Integration		
	Payroll project implementation begun		

### **Strategy #3: Plan for the Future**

Information Services can best accomplish this strategy by focusing on the following goals:

✓ Plan for the refresh of technology to insure current/relevant systems,

✓ Respond quickly to changes in the environment, and

✓ Prepare for emergency and business interruptions.

GOALS	STATUS	ACTIVITIES	DISTRICT-
GOALS	SIAIUS	ACTIVITIES	WIDE 2014-17 STRATEGIC PLAN/ 2014-15 CHANCELLOR GOAL (S) ADDRESSED
Maintain current and relevant systems	Technology Upgrade and Refresh:  • Upgrades to all systems completed Standards:  • Update to Cabling Infrastructure Standards in progress  • TCC Developed the following standards:  • Cloud Solution Security Guidelines Social Media:  • Completed Open Source:  • Investigated library and others; determined not to move in this direction due to security and other concerns  • Mobile completed	<ul> <li>Plan for technology upgrade and refresh to insure systems are current and usable</li> <li>Upgrade systems before end of life declared by vendor</li> <li>Develop standards to create a district wide environment whereby resources can be shared for:         <ul> <li>Virtualization</li> <li>Virtual desktop</li> <li>And other technologies</li> </ul> </li> <li>Leverage social media for student/staff benefit</li> <li>Investigate Open source alternatives for existing and new systems such as the Library System</li> </ul>	Strategic Plan:  District Objective 1.2 District Objective 2.1 District Objective 4.3 District Objective 5.1  Chancellor's Goals:  Increase Student Success  Stability of the Budget

GOALS	STATUS	ACTIVITIES	DISTRICT- WIDE 2014-17 STRATEGIC PLAN/ 2014-15 CHANCELLOR GOAL (S) ADDRESSED
Disaster Preparedness/Business Continuity	Backup:  • Funding for offsite backup received; evaluation solutions  Emergency Planning Activities:  • Regroup implemented  Data Protection:  • Awareness via presentations (Joint Senate/UF) and training (Banner Navigation/ARGOS)	<ul> <li>Investigate off-site co-location facility for hot backup</li> <li>Participate in district Emergency planning activities and offer technology assistance for that effort</li> <li>Establish and communicate best practices to protect staff and student data stored on district computers</li> <li>Implement effective emergency notification systems (see Improve Responsiveness to User Needs above)</li> </ul>	Chancellor's Goals: Stability of the Budget
Respond to environmental changes	Carbon Footprint:  • All but one server moved to virtual environment Alternative Energy Sources:  • None found to date	<ul> <li>Monitor carbon footprint of data center and equipment</li> <li>Investigate alternative energy sources</li> </ul>	Chancellor's Goals: Stability of the Budget

## **Strategy #4: Meet Legal and System Requirements**

As an institution of higher education, NOCCCD must adhere to the law and requirements put forth by other outside agencies. The objective is compliance with these mandates to insure a sound education for our students.

GOALS	STATUS	ACTIVITES	DISTRICT-
GUALS	SIAIUS	ACTIVITES	
			WIDE 2014-17
			STRATEGIC
			PLAN/ 2014-15
			CHANCELLOR
			GOAL (S)
			ADDRESSED
Meet legal mandates and obligations	Records Retention:  • Expanding use Imaging in Health Centers; Human Resources, etc.  Red Flag & Peer-to-peer Compliance:  • Policies and processes in place; completed Accreditation:  • Institutional Effectiveness complete  Security Awareness:  • Awareness via presentations (Joint Senate/UF) and training (Banner Navigation/ARGOS)  • Cloud Solution Security Guidelines developed Accessibility:  • Awareness via presentations (Joint Senate/UF)  • Incorporating in new Website design/development PCIDSS:  • Completed annually	<ul> <li>Review record retention strategies when implementing Imaging solutions for compliance</li> <li>Meet requirements of "Red Flag" legislation to insure privacy of students and staff</li> <li>Implement peer-to-peer compliance strategies</li> <li>Implement systems in such as way as to make e-Discovery easy</li> <li>Provide assistance in meeting Accreditation requirements</li> <li>Establish a security awareness program for end users</li> <li>Review systems for compliance with accessibility requirements</li> <li>Work with areas throughout the district that accept payment cards and assure that Payment Card Industry Data Security Standards are met.</li> </ul>	Strategic Plan:  District Objective 1.2 District Objective 2.4 District Objective 2.1 District Objective 2.2 District Objective 4.3  Chancellor's Goals:  Increase Student Success  Continue with Accreditation Compliance  Maintain Financial Stability