
**Grossmont-Cuyamaca Community College District
Technology Plan
Annual Action Plan for 2012-2013**

April 5, 2012



GROSSMONT-CUYAMACA
COMMUNITY COLLEGE DISTRICT

Grossmont-Cuyamaca Community College District Technology Plan

Overview:

This document describes the Technology Action Plan for 2012-2013 within the overall framework and directions of the Information Technology Plan. These goals and objectives for 2012-2013 include support in several areas and were established in consultation with the various advisory committees and the Chancellor's Cabinet:

- Instructional Technology Advisory Committee (ITAC)
- Cuyamaca College- Instructional Technology Council (ITC)
- Grossmont College- Technology Teaching and Learning Committee (TTLC)
- Administrative Technology Advisory Committee (ATAC)



Projects for the next two years include those listed below. Projects in bold are recommended and as funded, will be implemented in 2012.

Majors Projects for 2012-13	
	<u>Strategic Area Supported</u>
<u>Educational Technology</u>	
▪ Evaluate and implement technology to lower costs for instructional learning for students (including e-books)	Student Access Learning and Student Success
▪ Support evolution of Blackboard and other instructional tools	Learning and Student Success
▪ Evaluate and implement a curriculum approval system	Value and Support of Employees
▪ Evaluate and incorporate emerging technologies	Student Access Learning and Student Success
▪ Evaluate hosted email for students	Student Access Learning and Student Success
▪ Implement Blackboard mobile	Student Access Learning and Student Success
<u>Administrative Technology</u>	
<u>Enterprise (ERP) Information Systems</u>	
▪ Implement/expand web based advising and orientation (Cynosure)	Learning and Student Success Student Access
▪ Implement hard blocking of prerequisites	Learning and Student Success
▪ Implement revised registration priorities	Student Access Learning and Student Success
▪ Implement improved large class bonus and teaching assistant reporting	Value and Support of Employees
▪ Continued implementation of Data Warehouse (decision support system)	Learning and Student Success
▪ Deduct balances owed before FA disbursement	Fiscal and Physical Resources
▪ Implement student web access to RedLantern (formerly DARS- Degree Audit Reporting System)	Student Access
▪ Implement/expand web based assessment	Learning and Student Success
▪ Implement Student Educational Plan	Learning and Student Success
▪ Evaluate HR/Personnel system	Value and Support of Employees
▪ Select and implement a planning/student learning outcome (SLO) system	Learning and Student Success
▪ Evaluate integrated system including finance and financial aid	Learning and Student Success
▪ Online transcripts and enrollment verifications	Student Access Learning and Student Success
▪ Evaluate Colleague portal	Student Access
▪ Evaluate Colleague mobile	Student Access
▪ Evaluate HR/Personnel system	Value and Support of Employees



Majors Projects for 2012-13

	<u>Strategic Area Supported</u>
<ul style="list-style-type: none"> ▪ Expand use of electronic approvals for purchase requisitions 	Fiscal and Physical Resources Value and Support of Employees
<u>Technology Infrastructure and Support Services</u>	
<ul style="list-style-type: none"> ▪ Continue implementation of new web sites 	Student Access
<ul style="list-style-type: none"> ▪ Expand back up system 	Fiscal and Physical Resources
<ul style="list-style-type: none"> ▪ Replace aging servers 	Fiscal and Physical Resources
<ul style="list-style-type: none"> ▪ Establish telephone system parts inventory 	Fiscal and Physical Resources
<ul style="list-style-type: none"> ▪ Complete provisioning of Cuyamaca computer room 	Fiscal and Physical Resources
<ul style="list-style-type: none"> ▪ Upgrade/replace telephone system 	Fiscal and Physical Resources
<ul style="list-style-type: none"> ▪ Remote hosting, "cloud computing" 	Fiscal and Physical Resources
<ul style="list-style-type: none"> ▪ Implement SharePoint 	Value and Support of Employees
<ul style="list-style-type: none"> ▪ Develop a plan to convert Colleague from Unidata to SQL Server database 	Fiscal and Physical Resources
<ul style="list-style-type: none"> ▪ Develop plan/approach for "single sign on" 	Student Access



Information Systems Technology Plan Objectives 2012-2013:

Additionally, significant effort is required for the normal operation, upgrades and support of the many systems in production. Those projects include the following.

Educational Technology and Instructional Computing

Faculty uses of technology

- Implement Office 2010 upgrade for faculty
- Continue to monitor and improve Help Desk services
- Upgrade library information system (SIRSI) to improve OPAC and workflow operation
- Student email
 - Evaluate the current usage of GCCCD generated student email accounts
 - Consider remote hosting student email accounts
 - Evaluate moving current student email to Exchange 2010
- Support lab attendance data collection systems for FTES collection
- Support and implement assistive technology initiatives
- Support the use of technology in instruction
- Explore ways to improve support of faculty and students using technology
- Support faculty in the assessment of new technologies

Technology for classrooms and buildings

- Assist the colleges in planning and updating technology to support instruction in classrooms, smart classrooms and faculty offices
- Support and continue to expand wireless Internet access at both colleges
- Plan for the design use and implementation of technology for the District and both colleges:
 - Grossmont Student Services
 - Relocations and moves
- Improve operation of smart classroom equipment
- Anticipate and plan for support staff requirements

Support for learning management systems (LMS)

- Continue to support and expand the Blackboard LMS
 - Improve integration between the Colleague and Blackboard systems
 - Explore options for single sign-on between WebAdvisor and Blackboard
 - Work with college faculty to evaluate and plan for and implement new Blackboard versions
- Complete the phase out of the WebCT learning management system



Information Systems Technology Plan Objectives 2012-2013:

Administrative Information Systems

The goals and objectives for 2012-2013 include support in several areas and were established in consultation with advisory committees. The objectives include:

- Support for Institutional Research and the implementation of the Bridging Research Information and Culture (BRIC) initiatives
- Implement priority enhancements from the Colleague Student-Instructional list
- State mandated FTES corrections and adjustments
- Pre-requisite changes
- MIS reporting
- Implement E-commerce 4.0 of Colleague
- Implement CalWorks module of Colleague
- Continued support for advancement implementation
- Priority registration changes
- WSCH-FTES reporting changes for Operational Data Store (ODS)
- Foundation set up in IFAS (finance system)
- Invoicing improvements in IFAS for the Auxiliary
- IFAS training on reporting (CDD), Security and WorkFlow
- Revise and expand the implementation of electronic purchase requisition approval processing
- Upgrade document imaging system
- Implement RedLantern (formerly DARS- Degree Audit and Reporting System) improvements
- Knowledge warehouse
- Evaluate OneSolution upgrade for IFAS
- Implement other projects from the Colleague enhancement list as possible (e.g. Student and Exchange Visitor Information System (SEVIS), electronic transcripts)



Information Systems Technology Plan Objectives 2012-2013:

Technology Infrastructure and Support Services

Web site development

- Assist in the implementation of the new web presence for
 - District Office
 - District intranet
 - On-line
 - Cuyamaca College
 - Grossmont College

Technology to support systems

- Evaluate and recommend an emergency notification system
- Improve security, reliability and data back-up of technology resources
- Refine uninterruptible power source (UPS) monitoring and shutdown processes
- Implementation of upgrade from Exchange 2003 to Exchange 2007
 - Evaluate requirements
 - Upgrade

Infrastructure and technology for new and remodeled buildings

- Improvements in out-bound spam filtering
- Upgrade SQL Servers
- Server replacement
- Maintain adequate network and telecommunications capability in all current and new buildings including remodels
- Participate in planning for new buildings
 - Grossmont Student Services
 - Relocations

Network infrastructure

- Upgrade network infrastructure including firewalls, switches and routers
- Increase the capacity of the inter campus link
- Wireless network equipment
 - Improve and expand coverage
 - Upgrade equipment
- Accommodate changes required for e-Power
- Continue building a redundant network backbone at both campuses
- Monitor software licensing
- Expand the use of wireless networking on both campuses as required
- Implement access based enumeration (ABE)
- Battery test UPS equipment
- Adjust domain administrative rights
- Improve the network topology



- Plan a failover capability for both colleges using the two colleges' DS3s
- Investigate intrusion detection
- Plan for the upgrade to Windows 7
- Evaluate "thin clients" and servers for Grossmont and Cuyamaca OPACs
- Continue implementing VMWare, a green initiative
- Upgrade and replace servers as required
- Expand VPN access as required
- Continued to improve security, reliability and data back-up of technology resources
- Refined UPS monitoring and shutdown processes

Telephone and voice systems

- Flex attendant upgrades
- Implement SQL version of Tapit Call Accounting system
- Rebuild/test EOCs for both colleges
- Build parts inventory for switches
- Test Emergency Operations locations at Grossmont, Cuyamaca and District Office

New releases, security and data integrity

- Implement new releases of software
 - Windows
 - Exchange
 - Windows Server
 - SQL
- Continue to plan and implement the backup computer room at Cuyamaca College
- Evaluate and improve backup to disk and rapid recovery process
- Implement network disk quotas
- Implement virtual private network (VPN) as directed
- Improve computer room shut down, auto shut down and repower process for
 - Central computer room
 - Grossmont College server room
 - Cuyamaca College server room

