

## **Buffalo State Enterprise Technology Project Summary as of October 21, 2009**

### **Infrastructure Projects**

#### Data Center Expansion (Approved)

This project has been completed. The project involved increasing the electrical and cooling capacity of the data center. ITEC is involved in the funding and planning.

#### Wireless Expansion (Approved)

This project involves two phases: 1) coverage and 2) performance. Phase I has been largely completed for the major public spaces (library, student union, Don Savage Theatre building, etc.) More buildings that require additional coverage are being upgraded. Emphasis is being placed on implementation of the wireless network management systems to help manage the resources that have been implemented to date. Various single requests are being addressed as well.

#### Dark Fiber (Approved)

This project has been completed. The project involved the having the physical fiber optic cable run to our data center, having it hooked up to routers to enable its use, and testing the connection with the new Internet Service Provider. Assuming the same bandwidth usage, the campus will save approximately \$26,000 yearly on access fees. Eventually, this fiber network will allow us to connect to Internet2.

#### Faculty/Staff Computer replacement (Approved)

This involves indentifying and upgrading computers in need of replacement as well as surplus and re-purposing older, but usable equipment.

#### Smart Classrooms (Approved)

Entails ensuring that the equipment is ordered and available in time for the construction efforts, which are managed by Facilities. There will be one phase to prepare smart carts for summer and another for updating the actual rooms (to be completed by the start of fall 09 classes).

#### Lab Upgrades (Approved)

This continuing activity occurs during the summer break for Windows labs and during the winter break for Mac labs

### **Banner Projects**

#### Banner Phase 1 (Approved)

These tasks are those tasks which did not have a time critical requirement to date, but need to be completed. These include access controls, reporting, and other refinements.

#### Banner 8.0 Upgrade (Approved)

This project is mandatory and involves testing the new version of Banner, version 8.0. The basic tasks include testing the new version and upgrading the production environment as well as to determine how much, if any, downtime will be required to upgrade the production environment.

#### Mandatory Advisement (Approved)

This project is underway and involves many departments, but the associate deans, University College and the Orientation Office are the primary contacts. It involves entering student/advisor relationship in Banner, developing programs to automate some aspects of the process, developing associated reports, and tailoring the Banner SSB pages to make finding information on advising easier. A pilot project is planned for fall 09 to advise for the spring 10 term.

#### Disability Services Office Adoption of Banner (Approved - required)

Not being in Banner causes issues for Institutional Research reporting as well as Financial Aid and Student Accounts TAP needs. The activities involve importing DSO information into Banner, set-up (including security configuration) and training in the Banner system. On hold until Fine Grained Access Control can be implemented for the forms used by DSO.

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### Prerequisite Checking Analysis (Approved)

Implementation of prerequisites in Banner is not yet approved, but in order to determine the scope of work planned, we will do some preparation work. A consultant was engaged to speak with the associate deans and several University College staff members to learn how to implement Buffalo State's prerequisite requirements in Banner and to determine if there are any current prerequisites that could not be programmed into Banner. As part of this process, departments may review and request changes to their prerequisite requirements. A technical analysis will need to be performed to determine what impact prerequisite checks will have on the system.

### HEOA Textbook Provision (Required by July 1, 2010)

This project is to implement changes to comply the Higher Education Opportunity Act textbook provision that requires textbook information to be available in online course schedules. We will link to the Barnes & Noble campus bookstore website to provide textbook information from the online schedule. Integration of Banner with the B&N textbook interface will help meet the requirement for enrolled students.

### Housing Web Integration (Approved )

This project involves the installation of hardware and an interface with Banner to allow students to select rooms & other housing related information via a more user friendly web interface. The server purchased by the Residence Life Office for this project has been installed in the data center. Work is underway to integrate it with Banner and run a pilot test project.

### Common Application Interface (Approved)

Buffalo State will begin using the Common Application in addition to the SUNY application for undergraduate admissions. The project involves developing an interface to import the data files from the Common Application source into Banner. This project is complete.

## **Campus Projects**

### Campus Web Upgrades (Approved)

This involves upgrading both the Content Management System (CMS) as well as the hardware environment on which it runs. It also involves conversion of existing web pages to the new CMS and training users in the new system as well as re-deployment of dynamic applications, such as the events calendar and the Daily. Work is underway to create the "themes" in the new CMS (Drupal) and to determine the effort required to migrate the pages in the existing CMS (Ingeniux) to the new system. The development and production hardware has been installed in the data center.

### Campus Portal (Approved, on hold)

This project involves not only the implementation of the campus portal hardware and software, but also integration of key applications to implement Single Sign On capabilities for users for as many applications as possible, such as Banner, ANGEL, email, library applications, etc.

### HRMS Feedback Files (Required)

This project involves decommissioning the old processing where the text-based feedback files were loaded into an Oracle database to processing that involves the processing of xml files. Completion of this project is imminent.

### Teacher Education Unit (TEU) Assessment (Approved)

This project involves all education programs, School of Education, Assessment and Curriculum, who are preparing for NCATE focused visit schedule for spring semester 2010. This is a very complex project involving the implementation of a new software package (TaskStream AMS) for unit wide reporting, expansion of the use of TaskStream LAT for assessment, new uses for Degree Navigator, creation of reports from Banner, and integrating data from all these sources into unit wide reports

### Campus One Card – Retail implementation (Approved)

This project involves Campus Life, B&N Bookstore, Sodexo, CTS, Library, and outside vendors Pepsi and Next Generation. It involves the installation of card readers for vending machines, new software interfaces with Barnes & Noble, relocation of the back-end server, and setting up the appropriate account structure in the carding system for vending. This project was completed as planned for the fall 2009 term.

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### Online Catalog (TBD)

This project involves implementation of a software system, modifications to some processes and procedures and, potentially, the establishment of a new role within the academic affairs organization to administer the system. The current effort involves documenting and reviewed processes associated with course approval, program approval and catalog production so that we can be clear on the areas we need to improve.

### TV & Film Arts Storage (In research phase)

This project involves providing a means for the TV and Film Arts students to store their large project files on a network storage device. Testing has been completed and it appears that we can use existing infrastructure to enable network storage and retrieval of the files. A pilot project will be tested in fall '09 to see how well it works with multiple users. We are waiting arrival of some hardware to complete full scale testing using a complete class.

### Online Payments

Many offices around campus have the need for online payments. We intend to search for solutions that can be implemented at the enterprise level to serve all needs. This will provide a common interface for our students and their parents and will allow us to provide service to offices that does not currently exist. After reviewing several options, a recommendation will be made to implement an online payment system. It should be noted that SUNY is in the process of requesting proposal from vendors to provide up to three options for campuses to choose from. We will wait until SUNY has announced which vendors are on the list before making a recommendation.