

# OIT Major Accomplishments for 2015

**Oracle Database Firewall/Audit Vault** – Oracle Audit Vault and Database Firewall monitors Oracle and non-Oracle database traffic to detect and block threats, as well as improves compliance reporting by consolidating audit data from databases, operating systems, directories, and other sources.

**Milestone Video Surveillance System** – The old video system was a DVR based system that was distributed in many closets in each building. Thus officers had to visit each location to access recorded video. Milestone provides a single management interface which enables the efficient administration of the system including all cameras and security devices regardless of its size or if it is distributed across multiple sites. Edge Storage support combined with failover recordings and redundant management servers ensure video recordings are never interrupted.

**Multifactor Authentication (OIT Only)** - Two-factor authentication provides a second layer of security to any type of login, requiring extra information or a physical device to log in, in addition to your password. The factors may include something you know like a username and password, something you have like a smartphone with an app to approve the authentication requests and something you are like your finger print or a retina scan (biometrics). By choosing two different channels of authentication, you can protect user logins from remote attacks that may exploit stolen credentials. For example, your first factor may be your password, while your second factor is sent via a push notification generated by an authentication mobile app on your smartphone that you must approve.

**Network Access Control (NAC)** – identifies and classifies the type of each device on the SLCC network. It will identify SLCC issued, employee-owned BYOD, or student-owned devices and the user on the device in order to enable role-based network access policies. Initially the NAC will be used to manage the onboarding of laptops, tablets, and smartphones and provision them on the

more secure certificate based wireless network being deployed at SLCC. SLCC visitors will also no longer need to call the helpdesk but rather be able to request wireless access and have the user name and password texted to their phone. Additionally the NAC will be used to monitor the compliancy of any devices on the network and devices which are not compliant (i.e. outdated antivirus, jailbroken device, patch outdated) then network connections can be prevented and users can be warned until the endpoints are remediated. Later the NAC will be expanded to include all wired LAN connections at SLCC as well.

**Emergency Alert** – The emergency alert system previously was an opt-in only system. Students were required to opt-in if they wanted to receive emergency alerts. The system has been modified to opt-in all students and then give them the option to opt-out if they do not want to receive the emergency alert messages.

**Mobile Application** – The mobile application has been enhanced to allow students to search and register for classes. After the registration has been completed the student can also check their account balance.

**Event Management System (EMS)** – The EMS product was implemented and helps our academic scheduling office as well as other departments to streamline the labor-intensive academic scheduling process, simplify the booking of meeting and event space, optimize classroom utilization and generate automatically updated web calendars.

**WebEx** – OIT has been given the responsibility to provide a business conferencing solution and WebEx was the tool of choice. WebEx lets you have online meetings with anyone who has an Internet connection – including mobile users. You can be connected via audio and you can share content from your computer which lets you see the same things at the same time – like PowerPoint files, Word documents or even browse the web together. Within the meeting, you can “Pass the Ball” so any attendee can control the meeting and share.