



## Operating Systems

### Servers

Microsoft Windows 2000 Server, is used as the server operating systems. These servers are configured for their tasks as domain controllers, member servers or stand-alone servers.

### Workstations

Microsoft's *Windows 2000 Professional*, is used on the workstation computers. The standard image takes ~1.4 GB of hard disk space.

There are several Apple Macintosh systems in Publications.

## Applications

### General Office Automation

Microsoft's *Office 2000 Professional*, is the standard for Word processing, spreadsheets, slide presentation, general database, publishing and email client.

### Specialized Applications

Shelby Systems, Inc.'s *Shelby 2000*, is the application that handles accounting and all people tracking functions. This includes the main "GlobaFile" of names and addresses as well as the attendance and prospects lists. Shelby is also used to register people for special events. Shelby 2000 uses a Microsoft SQL database.

The accounting department also uses HRdirect, Inc.'s *HRCalendar*, to track vacation and sickness absences.

Our event management system is Dean Evans and Associates' *EMS Professional*. This system is an MS Access, runtime database and tracks all the events that occur on campus. EMS can be upgraded to a SQL version if necessary.

Security uses two applications to monitor physical access. *Entra*, is used as the entrance monitor and logger for doors. Schalge's *SiteMaster200*, tracks keys and key holders to buildings or doors.

The music department uses *finale*, for manuscript generation and arranging, and digitizes scores using a Xerox document scanner.

Publications is using Apple Corporation computers with *Adobe Photoshop*, *Adobe Illustrator*, and *Quark XPress* for creating print ready documents, and *Dreamweaver* and *Flash* for web development.

Virus protection is *Symantec Antivirus Corporate Edition*.

Veritas *Backup Exec for Windows 2000*, provides the backup solution and runs on two servers. Agents are installed on the remaining servers to provide network backups of the servers that do not have a tape drive unit.

## Hardware

### Servers

Enterprise servers are Compaq DL380 rack-mount units with 733 MHz or above P3 processors and 256-1000 MB of memory. The DL380 has an integrated RAID controller. No units currently have redundant power supplies.

Small application and Web servers are rack mounted Compaq DL360's with P3 800MHz processors and 256 MB of memory.

### Workstations

The standard workstations are Dell *Optiplex*, units with 128 –256 MB of memory, an integrated 4 MB or AGP 16-32MB video controller, integrated sound and 3Com network interface.

New notebook computers are Dell *Latitude*, models with a minimum of 500 MHz P3 and 128 MB memory. A network and modem interface is standard, with the newer models having Mini-PCI cards.

### Printers

Most printers are Hewlett Packard DeskJet or LaserJet models, with the 4050TN being the standard workgroup printer and the 2200C being the standard personal printer. Two Xerox Document Center 470ST printers handle the large B/W print jobs while the 4050's handle the smaller jobs. HP4500DN Color LaserJets handle the small color printing needs while a Xerox Color copier handles the large jobs.

### Network

Cisco 3524XL and 3548XL enterprise switches form the access layers of the network. A 3508G unit is currently acting as the core layer switch. This will most likely be replaced with a 4506 core switch/router in the future. There are no internal routers.

All distribution switches are connected via fiber Gigabit Ethernet to the core switch.

An internal *iPrism*, filter from St. Bernard is used to prevent inappropriate Internet access and restrict Internet access for certain protocols and during certain times.

A firewall prevents any access to the internal network.

The boundary router to the Internet has a dual CT1 WAN interface.

### Miscellaneous Hardware

Uninterruptible Power Supply's are APC *SmartUPS*, 700 and 1400 models, with the smaller units supporting single workstations or communication equipment. The servers monitor the rack mount 1400's for alarm conditions.

Tape backup units include the main backup, a Compaq DLT 35/70, and an HP *Surestore*, 4mm DAT unit.

### Phone System

The Nortel Meridian 11C system is housed in two cabinets in the Data/Phone Center. One ISDN-PRI circuit provides 23 voice channels to the system. All 23 lines are available for incoming or outgoing calls. DID's can be configured to ring to all desired extensions.