

**MultiMedia Resource Center  
Student Team Room  
Phase I – Inception  
April 2007 Proposal**

To expand the MultiMedia Resource Center (MMRC) for greater student usage, the MMRC will need to acquire hardware and software for the Student Team Room. This will occur in two phases. In phase 1, the MMRC will start with one Video Ingest station for large student video projects and 3 team stations for collaboration on projects. The following chart shows the cost to implement Phase 1.

<b>Student Team Room Phase 1 Cost</b>			
Type of Station	Number of Stations	Cost per Station	Total Cost
Ingest Station	1	\$14,729.00	\$14,729.00
Java Media Encoder	1	\$1,000.00	\$1,000.00
Linux Server	1	\$13,399.60	\$13,399.60
Team Station	3	\$4,487.57	\$13,462.70
Windows Server	1	\$14,208.70	\$14,208.70
			<b>\$56,800.00</b>

*Figure 1 – Student Team Room Phase 1 Cost*

The following is the detailed list of hardware and software required for the stations.

***Video Ingest Station Hardware***

- 1 – Dual Boot Apple Mac Pro
  - Two 3.0GHz Dual-Core Intel Xeo
  - 1GB (2 x 512MB)
  - 500GB 7200-rpm Serial ATA 3Gb/s
  - ATI Radeon X1900 XT 512MB (2 x dual-link DVI)
  - Two 16x SuperDrives
  - Both Bluetooth 2.0+EDR and AirPort Extreme
  - Quad-channel 4Gb Fibre Channel PCI Express card
  - Apple Keyboard and Mighty Mouse - U.S. English
  - Mac OS X - U.S. English
  - AppleCare Protection Plan for Mac Pro/Power Mac (w/o Display)
- 1 – 3Com Gigabit Switch
- 1 – DV Video Keyboard
- 3 – Belkin A/V Cable
- 3 – Belkin Firewire Cable
- 2 – Belkin Firewire Hub
- 2 – Belkin USB Hub
- 5 – Belkin Video Adapter/Connector
- 1 – JVC SR-VS30U Mini-DV/s-VHS VCR with MiniDV/CAM Playback
- 1 – LinkStat 400GB External Network Hard Drives
- 1 – Logitech Premium Stereo Headset
- 1 – RamJet RAM for Mac Pro
- 1 – Samsung Progressive-Scan DVD-R/-RW Recorder with HD Upconversion
- 1 – Sanyo Sanyo 20" LCD EDTV, CLT2054
- 1 – Seagate External 500Gb Hard Drive
- 1 – Sony DVD Player/Recorder

### ***Video Ingest Station Software***

- 1 – Adobe Video Production Studio
- 1 – Apple Final Cut Pro HD
- 1 – Apple Parallels
- 1 – Apple iWorks
- 1 – Camtasia Studio
- 1 – DVD to AVI Conversion Pro
- 1 – MacDrive
- 1 – Magic DVD Ripper
- 1 – Nero CD Burning
- 1 – Sony SoundForge
- 1 – Roxio Toast
- 1 – Sorenson Squeeze
- 1 – Terran Cleaner

### ***Pod Station Hardware***

- 3 – Dual Book Apple 20: iMac
  - 2.33GHz Intel Core 2 Duo
  - 3GB 667 DDR2 SDRAM – 1x2GB, 1 x 1GB
  - 20-inch Widescreen LCD
  - 500 GB Serial ATA Drive
  - ATI Radeon X1600/256MB VRAM
  - Bluetooth 2.0 + EDR
  - AirPort Extreme
  - SuperDrive 8X (DVD+R DL/DVD+-RW/CD=RW)
  - Apple Keyboard & Mighty Mouse + Mac OS X (US English)
  - AppleCare Protection Plan for iMac/eMac – Auto Enroll
- 3 – Belkin A/V Cable
- 3 – Belkin Firewire Cable
- 3 – Belkin Firewire Hub
- 3 – Belkin USB Hub
- 3 – Belkin Video Adapter/Connecter

### ***Pod Station Software per Station***

- 3 – Adobe After Effects
- 3 – Adobe Video Production Studio
- 3 – Apple Final Cut Express
- 3 – Apple Parallels
- 1 – Apple iWorks
- 3 – Camtasia Studio
- 3 – MediaFour MacDrive
- 3 – Nero CD Burning
- 3 – Roxio Toast
- 3 – Terran Cleaner

## ***Linux and Windows Servers***

- One will be a Windows 2003 Server which will act as a file server for student, faculty, and staff MMRC projects. This system will allow users to be able to have more storage than their normal allotment on mydocs (300 MB). Potential applications of this includes video editing, where projects can easily take up hundreds of gigabytes (GB) of data. The data will be available on the system for the duration of the project, so that students will not have to purchase external drives to store their working data.
- The second system will be a RedHat Enterprise Linux system. Our current Linux server streams KUAF and KXUA, and other media systems (including a RealMedia Helix server), and podcasting. This system is configured for large data and media transfers over the network, and is also used by UA students, faculty, and staff to distribute podcasts, media, and experiment with other web technologies that are not available on comp. These include forums, webcasts, blogs, and other PHP/MySQL applications.