

Lock Haven University
of Pennsylvania

Technology Plan



2006-2008

LHU Computing and Instructional Technology
5th Floor, Robinson Hall
Lock Haven University

Organization

The Project leader for the Technology Plan 2006-2008 was Mr. Donald Patterson. The development of this plan was guided by several groups. We appreciate the unique and essential contributions of all concerned.

Instructional Technology Advisory Committee

The Charge: The committee advises the Director of Computing and Instructional Technology on the vision, planning, projects, and priorities relative to matters pertaining to Instructional Technology on both campuses. The composition of this committee will include faculty, and staff, including representatives from key academic offices. Members of the committee will be instrumental in providing linkage to the University community on these matters.

The primary focus of this group is on instructional support relative to technology. Members of this committee are Dr. Stephen Marvel, Mr. Daniel Gales, Mr. Ronald Miller, Dr. Reynol Junco, Mr. Terry Brink, Ms. Brenda Corman, Dr. Josephine Pirrone, and Mr. Donald Patterson.

Campus Management Advisory Committee

The Charge: The committee advises the Director of Administrative Computing on the vision, planning, projects, and priorities relative to matters pertaining to Administrative Computing on both campuses. The composition of this committee will include faculty, and staff, including representatives from key administrative offices. Members of the committee will be instrumental in providing linkage to the University community on these matters.

The primary focus of this group is on areas such as Admissions, Enrollment Services, The Bursar's Office, Alumni, and Development. Members of this committee are Mr. Jerry Easley, Mr. Richard McCarty, Mr. Alan Anderson, Mr. James Theeuwes, Mr. Stephen Lee, Ms. Jill Reitz, Ms. Amanda Jackson, and Mr. Donald Patterson.

Academic Computing Committee

Members of this committee are Mr. Jason Bronner, Ms. Brenda Corman, Dr. Josephine Pirrone, Dr. Susan Strayer, Dr. Tara Fulton, Dr. Paddy O'Hara-Mays, Mr. Jeff Walker, and Mr. Chris Turner (Student).

The Shared Services Group

This group consists of Computing Center personnel. This group is responsible for the network and infrastructure, video and data communications, security, AIX and Microsoft 2003 Enterprise Servers, operations, etc. This group reviews the needs and objectives of the previously described groups to determine appropriate technical support solutions.

Instructional Technology Accomplishments 2005 – 2006

Twenty one Smart classrooms were installed for Fall semester 05. The television studio was completely converted from analog to digital. 14 notebook computers and Vernier packages were purchased for chemistry. A microfilm scanner for student use was purchased for the library. The two computer labs in Clearfield were refreshed with new hardware.

Administrative Computing Accomplishments 2005 – 2006

The administrative web server “Osprey” was refreshed with new hardware. Financial Aid pre-certification was expanded to include all students. The Jenzabar interface was completed for Aramark the new dining services vendor. Six residence halls and East Campus were given card accessibility. Transitioned the Foundation from Jenzabar to Raiser’s Edge and Financial Edge and moved Law Enforcement to Informant Tech.

Shared Services Accomplishments 2005 – 2006

Cisco Clean Access was installed in the summer of 05 for implementation in the fall. This product was installed to manage the computer in the residence halls. CCA ensures student computers have virus protection and are configured properly for Microsoft updates etc. This successful implementation kept the network functioning for the opening of the semester. The student modem pool was eliminated resulting in an approximate \$50,000.00 annual cost savings. Two new dedicated DNS servers were installed for improved performance.

Instructional Technology Projects 2006 – 2007

13 Smart Classrooms will be installed for the fall of 06. This will bring technology to about 90% of classrooms on campus. Two new computer labs will be installed for fall of 06. One is lab for Art/Music and the second lab will be for assistive technology. A new distance education classroom will be installed for Health Sciences. A notebook computer project has been approved for Biology. A media site server will be installed which will give the university web casting capabilities. Several classroom response systems are also planned (attachment A).

Administrative Computing Projects 2006 -2007

The scanning equipment used for test scoring and faculty evaluations has reached end of life and needs to be replaced. The “Bluejay” server which provides real time data replication is due for replacement. Administrative servers are due for AIX 5.3 upgrades and Informix 10.0 upgrades. We are awaiting the timeline for SAP campus management so we can begin planning for this transition. Negotiations with Jenzabar for a contract extension will be done this year. Acquire and implement Jenzabar loan module for the Financial Aid Office (attachment C).

Shared Services Projects 2006 – 2007

Wireless network expansion will continue as several buildings are in the planning stages. Russell, Bentley, the PUB, Akeley, Ulmer and RLC should be completed. Wire room upgrades need to begin. The plan is to complete 4 buildings per year on a rotating basis. The edge switches in all buildings need to be replaced. These upgrades are necessary as we continue to prepare for a migration of our telephone system for Centrex to a voice over IP solution. The Cisco PIX firewall and the Packeteer (traffic shaping) are in need of replacement. Several Microsoft servers are also in need of a hardware refresh. Planning is ongoing for an upgrade to the current television services provided by Adelphia. A proposal from Campus Televideo is expected in the early part of 2006. We are also looking at a new network management software package (attachment E).

Instructional Technology Projects 2007-2008

There will be approximately \$750,000.00 available from the student tuition technology fee. The Instructional Technology Advisory Committee will once again be the major driver of the plan for the use of this money. The Akeley open computer lab and the Ulmer computer lab will come due for new hardware in this time frame (attachment B).

Administrative Computing Projects 2007-2008

Planning for 2007-2008 is more difficult as we await a schedule for transition from Jenzabar to SAP campus management.

Shared Services Projects 2007-2008

Conversion from Centrex to an IP based voice solution should begin. A plan will need to be developed during the 2006-2007 year. Expansion of the Cisco Clean Access system will allow us to put all computers on the LHU network through this system providing another layer of security on the network. An upgrade of the water detection system in the computer room will provide remote alerts if there is a problem. Wire room upgrades will continue as we prepare the network for IP voice. Expansion of the wireless network will continue. The “Dove” print server will be due to be replaced along with a replacement of the CX 200 disk storage sub system (attachment F).

Attachment A

Instructional Technology (2006 - 2007)

Project Description	Project Cost	Funding Source	Project Status
Technology Fee Projects			
13 Smart Classrooms	\$273,000.00	Tech Fee	Active
Art/Music Computer Lab	\$80,000.00	Tech Fee	Planning
Assistive Technology Computer Lab	\$75,000.00	Tech Fee	Active
Distance Ed Room Heath Sciences	\$120,000.00	Tech Fee	Planning
Notebook Computers for Biology	\$45,000.00	Tech Fee	Active
Media Site Server	\$50,000.00	Tech Fee	Completed
3 Interactive Classroom Response Systems	\$15,000.00	Tech Fee	Completed
Student Wages	\$10,000.00	Tech Fee	Active
Distance Education (Videoconferencing)			
Zimmerli Rm. 7	\$40,000.00	Internal	Planning
Founder's Hall Rm. 100 (Clearfield)	\$35,000.00	Internal	Planning
Founder's Hall Rm. 136 (Clearfield)	\$35,000.00	Internal	Planning
Computer Labs			
Akeley Classroom Computer Lab	\$50,000.00	Tech Obs	Planning
Total	\$828,000.00		

Attachment B

Instructional Technology (2007 - 2008)

Project Description	Project Cost	Funding Source	Project Status
Technology Fee Projects			
Projects to be determined	\$750,000.00	Tech Fee	Planning
Computer Labs			
Akeley Open Computer Lab	\$50,000.00	Tech Obs	Planning
Ulmer Computer Lab	\$40,000.00	Tech Fee	Planning
Total	\$840,000.00		

Attachment C

Admin. Computing Projects (2006 - 2007)

Project Description	Project Cost	Funding Source	Project Status
Replace Scanning Equipment (test scoring and faculty evaluations)	\$15,000.00	Internal	Planning
Replace "Bluejay" redundant server	\$15,000.00	Internal	Planning
AIX 5.3 upgrades to Admin Servers	Time		Planning
Informix 10.0 Upgrades to Admin Servers	Time		Planning
Jenzebar Loan Module	\$30,000.00	Internal	Active
Total	\$60,000.00		

Attachment D

Admin. Computing Projects (2007 - 2008)

Project Description	Project Cost	Funding Source	Project Status
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SAP Campus Management			
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Total	\$0.00		
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Attachment E

Shared Services Projects (2006 - 2007)

Project Description	Project Cost	Funding Source	Project Status
Wireless Networking Rusell, PUB and Bentley RLC, Ulmer, Akeley	\$45,000.00 \$38,000.00	Auxilaries Tech Fee	Active Planning
Campus Televideo Upgrade from Cable to Satellite	\$75,000.00	Internal	Planning
Wire Room Upgrades \$10,000.00 per building - 4 buildings	\$40,000.00	Internal	Planning
Network Upgrades Replace switches in all buildings Cisco PIX Firewall Replacement Packeteer Traffic Shaping Replacement	\$475,000.00 \$25,000.00 \$25,000.00	Internal Internal Internal	Active Planning Planning
Network Management Software	\$10,000.00	Internal	Planning
Server Replacements "Oriole" Server Update Server "Cardinal" Exchange Server Cluster Server (for redundancy)	\$4,000.00 \$8,500.00 \$8,000.00	Internal Internal Internal	Active Active Planning
Total	\$753,500.00		

Attachment F

Shared Services Projects (2007 - 2008)

Project Description	Project Cost	Funding Source	Project Status
Voice over IP Phone System	\$700,000.00	Internal	Planning
Cisco Clean Access Expansion	\$30,000.00	Internal	Planning
Expand Wireless Network \$15,000.00 per building		Internal/Tech Fee	Planning
Wire Room Upgrades \$10,000.00 per building - 4 buildings	\$40,000.00	Internal	Planning
Computer Room Water Detection System	\$5,000.00	Internal	Planning
Pegasys Upgrade (One Card Server) Software and hardware	\$10,000.00	Internal	Planning
"Dove" Print server	\$5,000.00	Internal	Planning
CX 200 Disk Subsystem Replacement	\$20,000.00	Internal	Planning
SAN Switch Replacements (2)	\$20,000.00	Internal	Planning
Total	\$830,000.00		