

Divisional Statistics (February 2003)

ATC

myWPI Usage

- In FY01: 343 courses, 170 faculty, piloted organizations
- In FY02: 417 courses, 191 faculty, 72 organizations
- Projected for FY03: 440 courses, 210 faculty, 145 organizations

Electronic Meeting Spaces

- Electronic Classrooms: 31 in Worcester; 1 in Mass Academy; 5 in Southborough; and 4 in Waltham
- Electronic Conference Rooms: 8 in Worcester
- Design, specification and build out of Access Grid
- Design, specification and build out of AV system for the NOC
- Library Collaboration Rooms (in progress)
- Admissions Interactive Plasma Display System (in progress)

TV Studio/Production Facility

- 50 seats with 30x20 stage area, professional lighting grid,
- 3 Sony DXC-D35WS triax camera packages with Telemetric robotics
- 1 Panasonic 3CCD document camera
- 24 Sony XGA flat panel displays
- 96x96 analog video routing switcher
- Mass duplication facilities: 41 VHS duplication decks; 7 SVHS production decks; 6 DVCAM decks; 2 Betacam SP decks
- Digital non-linear editing suite—audio and video (AVID)
- Ku and C-band satellite downlink
- Tandberg 6000 IP/ISDN videoconferencing system

Systems Administration

- myWPI (Blackboard)
- Streaming Media Server
- SQL-based inventory/equipment management system
- Carillon System (Campus Bells)

CATV Network

- Two parallel system: a 550 MHz high-split, bi-directional network and a 550 MHz broadcast network
- 800+ CATV nodes to classrooms, dorms, common spaces

Faculty Support Services

- Teaching Technology Fellowship Program – 8 faculty in FY02; 5 in FY03; 6 projected for FY04
- Project assistance for 131 unique faculty from 17 academic departments; plus staff, students, clubs, TAs and organizations.
- One-on-one support for 24 ADLN courses in FY01, 41 in FY02, and 39 in FY03; plus academic laptop pilot support, myWPI course support, departmental training.

Media Support for Events

- 335 events in FY01; 300 in FY02;
- 484 projected for FY03
- Does not include major campus events (e.g. Admission Open Houses, Commencement, Gubernatorial Debate, Trustee meetings or large conferences)

Equipment Reservations

- 3037 in FY01; 3827 in FY02
- 4100 projected for FY03

Equipment Inventory

- Cell Phones (175)
- Laptops (90)
- Digital Audio Recorders (18)
- Data/Video Projectors (12)
- Digital cameras (10)
- Digital Camcorders (9)
- Portable IP/ISDN videoconferencing units (2-Tandbergs)
- Student Response Systems, VCRs, TVs, DVD players, cables, cards, etc.

Mobile Computing Programs

- Library Laptops (10)
- Campus Center Laptops (10)
- Academic Laptops for Pilots (44)
- PDA Pilot – Fall, 2003 (55)

Multimedia Resource Facilities

- 24 seat classroom/lab with built-in projection capabilities
- 15 graphic workstations with digital video and audio editing capability
- 6 video digitizing workstations
- 3 2400dpi scanners, 2 PDF scanners, a 35mm slide scanner, an automated CD-duplicator and printer (200 disc capacity), a 35mm film printer and an HP 2400 dpi plotter

ADLN

- Started in 1979
- Delivery mechanisms: online, videoconferencing and videotape
- Participating departments: Management, Fire Protection, Electrical and Computer Engineering, Civil Engineering and Corporate Education

Growth

- Revenue
 - \$584K in FY00; \$770K in FY01; \$1.04M in FY02; \$1.20M in FY03 - up 15.8%
- Credit Hours
 - 883 in FY00; 1107 in FY01; 1386 in FY02; 1523 in FY03 - up 10%
- 14% of total graduate enrollment
- 48% of graduate FPE enrollment
- 41% of graduate MGT enrollment
- 18% of graduate CEE enrollment
- 4% of graduate ECE enrollment

Recognition

- 2002, U.S. News & World Report listed the MBA and Engineering ADLN programs as “among the best online graduate degree programs”.
- LERN International Award for Excellence in Marketing, Nov 2001.

Demographics

- Geographic: East-69%; South-6%; Central-6%; West 5%; Int'l 14%
- Student Age: 21-29,39%; 30-34, 21%; 35-39, 16%; 40-44, 12%; 45 and over, 12%
- Gender: female 25%, male 75%

CCC

HelpDesk

- PC and software support for ~5000 clients; Ratio = 5000/4 staff = 1250:1; National Average = 161:1
- Remedy call tracking system
- ~1200 tickets/month
- 30% call volume increase FY03
- Support 100+ academic software apps
- Web support for accounts, passwords, registration of devices, email support, ordering of software and tech support



CCC

NetOps

- Nortel Networks equipment
- Academic network: 24 buildings
- Residential network: 17 buildings and 1 wireless link
- Remote Campus networks: MetroWest, Waltham, BEI, MassAcademy
- 11 Mbps Wireless Academic network: 11 buildings with 45 access points
- Greek wireless network: 11 organizations and 3 WPI houses
- Backbone: 6 parallel Gigabit Ethernet fiber paths
- All building connected by gigabit Ethernet links
- Primary Services each on gigabit link
- 10/100 Mbps to the desk top
- Commodity Internet: 2 separate feeds—Intellispace primary at 45 Mbps, secondary at 15 Mbps
- 13,752 campus network ports with 6757 active
- 60+ servers for the network

Goddard GigaPoP

- One of 50 Internet2 gigaPoPs—the second in MA
- Connect via Qwest at 155 Mbps scalable to 620 Mbps
- Potential disaster recovery site at 474 Main St., Worcester
- Redundant Gigabit Ethernet connection to campus network

High Performance Computing

- IBM RS/6000 SP has 16 nodes, 32processors (200 MHz), 1GB RAM, 2x9GB HDD
- Dell Linux Cluster, 11 nodes, 22 processors (2.4GHz XEON), 2GB RAM, 36GB HDD
- Access Grid group-to-group videoconferencing facility
- Display Wall 3D data visualization facility

PC Shop

- Maintain >2000 desktop computers
- Dell certified technicians

Systems Administration

Server & client support; software support and distribution:

- 32 Unix (Tru64) servers
- > 40 Windows 2000 servers
- 40 Linux servers
- 2 VMS servers
- 5 Sun servers
- IBM RS/6000 supercomputer
- Linux supercomputing cluster
- 350 public lab PCs
- 1000 WPI desktop PCs
- 1851 Residence Center & Fraternity PCs
- 48 Sun workstations
- 18 SGI workstations
- 10 Alpha workstations
- 8 Linux workstations
- 682 Wireless devices
- 610 “visiting” (non-WPI owned, non-residence) systems

Database Services

- ERP – Banner/Oracle
- Special Applications (WorkOrders, Police Log, Mail store)
- MySQL databases
 - Web Development Office
 - IT Operations
 - Public Student accessible
- Operations (LDAP, TimeServer, DHCP, Wins, Radius, IMAP, POP, SMTP...)

Interface Applications

- Banner-Blackboard (e-learning)
- Banner-Cbord ID transaction sys
- Banner-BestLock e-ID cardlock
- Banner-Remedy (helpdesk call tracking)
- Cbord-BestLock (ID card sequence number synchronization)
- Banner to “directories” (whitepages, web, exchange, tele)
- Unix-Banner (synchronize e-mail/username)

Instruction Sessions Open to WPI Community

	Library	ATC	CCC
Instruction sessions	202	9	113
Different topics	82	8	31
Attendees	2466	45	1022

Note: Not include faculty development and one-on-one support

Gordon Library

- 9000 web-based full text e-journals
- 150 web-based electronic databases
- 275,993 item print collection
- 6500 interlibrary loan requests
- 237,849 library building visits
- 38,999 circulations of all materials
- 19,207 registered library patrons
- 182 Electronic Theses & Dissertations (ETD)
- Fellman-Dickens archive
- 213,087 library homepage hits

Web Development

- 20,000 pages on WPI Web site <http://www.wpi.edu>
- 3,573,780 WPI Web site visits
- 19,342,011 page views
- Virtual campus tour

IT Gifts to WPI

3Com—HP high performance workstations/servers

Avaya/Lucent—Fiber, Cat6 wire

CADKEY—CADKEY software

DelSignore Electric

- Access Grid power/networking
- Nortel Network Equipment
- Electrical & Data wiring

Direct Network Services—Wireless OC-3 link

IBM—IBM RS/6000 supercomputer

Integration Partners

- Juniper Router
- Salary for Network engineer
- UPS for NOC

Kim Woodbury—The Woodbury & Co. Collection

Integration Partners &

Nortel Networks

- Network Operations Center
- Plasma displays

NEESCom—External dark fiber pathways for Goddard GigaPoP

NSF Grant—High performance networking connection (Abilene) and ongoing operations expenses

PTC—Pro/ENGINEER software

Robert D. Fellman—

Charles Dickens collection

Yipes—Commodity internet connection at 25 Mbps for 3 months