



Technology Fee Plan

Committee Membership (for 2009-2010)

Dr. Diane Call, Chairperson

Senior VP for Finance and Administration and Acting Provost

Dean Sherri Newcomb

Budget and Financial Services

Dr. Jonas Falik

Chairperson, Department of Business

Professor Stuart Asser

*Chairperson, Department of Electrical and
Computer Engineering Technology*

Professor Norton Reid

Faculty Executive Committee

Professor Anthony Kolios

Academic Senate Committee on Computer Resources

Bruce Naples

Director, Academic Computer Center

George Sherman

Executive Director, Information Technology

Ms. Gladys Juca

President, QCC Student Government

Ms. Stephanie Sandson

Executive Vice President, QCC Student Government

Ms. Kate Montero

Administrative Vice President, QCC Student Government

Ms. Sadie Mumu

Treasurer, QCC Student Government



Technology Fee Plan

Description of Committee

Resulting from the City University of New York's technology fee, effective September 2002, members of the Queensborough Community College faculty, administration, and student body convened during the spring 2009 semester to establish the College's 2009-2010 Technology Fee Plan which, designates priorities for new technology fee expenditures, while continuing a four year computer replacement cycle.

To ensure representation by various campus populations, membership in this committee consists of the Senior Vice President for Finance and Administration and Acting Provost, who also chaired the College's Technology Committee; the Dean for Budget and Financial Services; the Director of the Academic Computing Center; the Executive Director of Information Technology; four full-time faculty members, two of whom are academic department chairpersons, one who also serves as chairperson of the Academic Senate's Committee on Computer Resources, and a representative of the Faculty Executive Committee; and four representatives of the QCC Student Government Association Executive Board: the President, the Executive Vice President, the Administrative Vice President, and the Treasurer.

Goals of the Plan

The members of the Technology Fee Committee provided insight from the major campus constituencies on technology needs and on ways to invest in technology to derive the most beneficial impact for Queensborough students. The committee was also guided by the work done in refreshing a five-year strategic planning document, the Queensborough Community Technology Plan, issued in 2005.

Background: Recent Technological Advances of the College

The expenditure of the technology fee money as delineated in the Queensborough Community College Technology Fee Plan must be viewed in the context of what has already been accomplished by the College in meeting its Technology Plan goals as they impact on students. As stated in the Queensborough Community College Technology Plan, "...the ultimate goal for Queensborough would be to provide students with access to information technology at any time and at any location on campus, in effect, the establishment of ubiquitous computing. The Committee believes that the future needs of college students concerning the use of information technology can best be served with a state-of-the-art wireless environment."

In reference to that goal, it should be noted that through the Technology Fee the College has established a wireless environment throughout the campus, and we are in the process of upgrading that environment to utilize the latest high-speed technology (802.11n). The Technology Fee is paying for one half of the upgrade costs. Presently, the wireless network serves students at kiosks located throughout the campus, in Chemistry Department labs, in a Music Department lab, in a number of classrooms where laptops are handed out to students, for iPod Touch applications in various Nursing Department lab settings, and in the Library's laptop lending program – soon to be expanded with an iPod Touch lending program.

When the campus was initially wired, every building on campus was connected to a gigabit fiber-optic Ethernet backbone. Soon thereafter, every computer lab on campus was wired to that backbone. During Spring/Summer 2009 the network switches of 10 labs were upgraded to the new 1 Gbps standard. To enable instructors to take advantage of these connections, the College has sixteen smart-carts that can be rolled into any classroom, connected to the Internet, and project Web pages onto a screen. More recently and in addition to the mobile carts, thirty-three smart-rooms have been outfitted with instructional podiums that include an Internet-connected computer, an annotation touch monitor, a projector with screen, a DVD/VCR player, a document camera, and a sound system. Furthermore, many of these rooms have been provided with lecture-capture technology which produces podcasts for student review.

Recent Committee-sanctioned Technology Fee expenditures have included: the replacement of all student-use computers that are four years old; replacement, upgrade of the student e-mail system to Exchange 2007; upgrade and addition of software licensing including specialized Library databases; ADA and non-ADA instructional podiums; additional digital signage screens; a video system for the Nursing Virtual Hospital; additional computers for the Student Union; additional computers for the Library; a classroom lecture-capture system; replacement printers for all student-use labs; hardware upgrades to the student email system (Tiger Mail); 802.11n routers to enhance the College's wireless network; a Web-based video conferencing system; and multiple infrastructure upgrades including high speed switches. In addition to hardware and software expenditures, the Technology Fee also supports the hiring of student interns to work in positions of technology support throughout the campus.

Each semester Technology Fee funds are allocated to support student development, which includes computer-related internships, specialized training, and student seminars. Paid student internships provide improved staffing in departmental labs and increase access by providing additional hours of usage. Student interns gain work-related experience in a number of different technological environments: for example, students help resolve student e-mail questions, provide assistance in the Academic Computing Center and in the Library, and also assist in the Office of Services for Students with Disabilities.

Technology Fee Plan Priorities 2009-2010

(See Expenditure Template on the Last Page of this Plan)

Computer Replacements

In accordance with the principles established by the University, student technology fee revenues will be dedicated to improving technology and expanding access to modern technology for all students.

Established by this Committee seven years ago, in order to have equipment and software available capable of supporting instruction in the current version of the software, we continue a four-year cycle of upgrading computer labs in all academic departments. This year (2009-2010) the plan calls for the replacement of 397 student-use PC & Mac computers.

Other Hardware Replacements

This fund has been established to replace other technology on an as-needed basis. These include: Printers, Projectors & Bulbs, Servers, Scanners, Smart Boards, etc.

Software

Licensing of software varies from an occasional expense to a yearly requirement. This budget has been established to support keeping all student-use software up-to-date across all curriculums.

Toner/Paper/Maintenance for student-use printers

Printer paper, toner, and maintenance kits are provided so that students are able to print what they need for their courses. The only Queensborough imposed restriction is that of printing on both sides of a sheet of paper.

ADA Hardware & Software

To support Queensborough's large population of students with disabilities this plan sets aside funds to provide every classroom with a suitable seating spaces, and every lab with appropriate seating, desk, computer, large screen, input devices, and software.

CUNY ETI Charges

Enterprise Technology Initiative charges from CUNY which cover the Oracle Database, Stellent, Blackboard, Anti-Virus, Research initiatives, Academic Software and other licensing.

Special Projects

Since its inception the Technology Fee Committee has considered and funded special requests from various constituents. For this year (2009-2010) the Committee has approved:

1. **100 Mbps Cable Connection for Video Conferencing**

Last year's Video Conferencing purchase will be enhanced by the addition of a high-speed Internet connection of its own – thus eliminating the burden from the colleges existing connection thru CUNY

2. **Blade VMWare Licensing**

A prior, partially populated, Blade server will be expanded to full utilization

3. **Sound System for SUUL**

At the request of the Student Committee members a system will be purchased to provide proper sound for presentations given in the Student Union Upper Level.

4. **Security Appliances**

A faster Barracuda anti-spyware network security appliance will be purchased. It will accommodate the higher speeds and increased number of sessions that planned bandwidth improvements will make possible

5. **Switches**
Additional infrastructure upgrades will be made to bring more of the College Network equipment up to the new 1 Gbps standard. The network is used by all student computer labs
6. **Surveillance Cameras for Podiums**
The College's security policy will be continued whereby we install swipe-locks, and surveillance cameras to monitor classroom-based instructional technology
7. **Classroom Podiums & Smart Boards**
Installation of classroom podiums and other smart technology will be expanded so that additional teachers & students may make use of them
8. **Digital Signage**
This expenditure supports the expansion of the current Digital Signage system to cover other areas of the campus
9. **Classroom Capture Devices**
Additional capture devices will be installed into classroom podiums so that teachers may automatically record their lectures and students may access the recordings for review
10. **Clickers for classroom use**
This expenditure supports a pilot project whereby additional teachers, and therefore their students, will be introduced to the use of interactive response devices. Faculty workshops will be conducted to provide appropriate training
11. **Semester Awards for the best Academy ePortfolios**
The use of ePortfolios is now mandated in the Business Academy, and the College's Strategic Plan further mandates their use in all Cornerstone courses. This expenditure is in support of those efforts – to encourage students to exceed their own expectation – to produce world-class ePortfolio showcasing what they have learned

Student Development

Continuing with our established practice, Technology Fee funds will provide for paid student internships across the campus. These internships allow our students to gain valuable work experience while providing fellow students with additional access to facilities. Added this year will be support for a newly established ePortfolio Mentoring program whereby interns provide fellow students with assistance in establishing ePortfolios and uploading multimedia artifacts based on curriculum requirements.

Expenditure Template

The expenditure template, which follows, is part of this plan and delineates the expenditure levels for each of the items referred to previously.

Technology Fee - Year 4 of 4 2009-2010 Expenditure Plan				09-10 Budget	Actual Expenditures	Balance
Amount Collected				\$ 1,800,000		
Computer Replacement*				\$ 480,800		
Dept	Room(s)	Qty	Cost	Ext Cost		
BES		60	\$ 1,100	\$ 66,000		
Business		34	\$ 1,100	\$ 37,400		
Chemistry		25	\$ 1,100	\$ 27,500		
ECET		32	\$ 1,100	\$ 35,200		
Foreign Languages		21	\$ 1,100	\$ 23,100		
Library		36	\$ 1,100	\$ 39,600		
Mathematics		50	\$ 1,100	\$ 55,000		
METDD		24	\$ 1,100	\$ 26,400		
Physics		21	\$ 1,100	\$ 23,100		
ACC		30	\$ 1,100	\$ 33,000		
ISS		33	\$ 1,100	\$ 36,300		
Music Mac Pros		16	\$ 3,100	\$ 49,600		
ACC iMacs		8	\$ 2,200	\$ 17,600		
ISS iMacs		3	\$ 2,200	\$ 6,600		
FY2006/10/14:	S111, S112, M127, M134	4	\$ 1,100	\$ 4,400		
		397				
Other Hardware - Printers, Projectors, Servers, Scanners, Sm				\$ 150,000		
Software				\$ 200,000		
Toner/Paper/Maintenance for student-use printers				\$ 25,000		
ADA HW & SW				\$ 25,000		
CUNY ETI Charges				\$ 120,000		
Special Projects				\$ 549,900		
100 Mbps Cable Connection for Video Conferencing				\$ 31,600		(01)
Blade VMWare Licensing				\$ 25,000		(02)
Sound System for SUUL				\$ 40,000		(03)
Security Appliances x 2				\$ 65,000		(04)
Switches				\$ 25,000		(05)
Surveillance Cameras for Podiums				29 3000 \$ 87,000		(06)
Classroom Podiums & Smart Boards				5 35000 \$ 175,000		(07)
Digital Signage				9 5700 \$ 51,300		(08)
Classroom Capture Devices - Echo360				4 8500 \$ 34,000		(09)
Clickers for classroom use				3 \$ 4,000		(10)
Semester Awards for the best Academy ePortfolios – Netbooks, i				\$ 12,000		(11)
OTPS Budget Total				\$ 1,550,700		
PS Budget				\$ 250,000		
Budget Total				\$ 1,800,700		
Balance				\$ (700)		
*Hardware Replacement Costs		Mac Pro	PC & Laptop	iMac		
		\$ 3,100	\$ 1,100	\$ 2,200		