QUEENSBOROUGH COMMUNITY COLLEGE CUNY

FY 2016 Student Technology Fee Plan

Submitted to
The City University of New York

By

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on behalf of
The QCC Technology Fee Committee

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STUDENT TECHNOLOGY FEE COMMITTEE

The Queensborough Community College Student Technology Fee Committee convened throughout the 2014-15 academic year to administer and evaluate expenditures under the FY 2015 plan adopted in April 2014.

MEMBERSHIP OF THE TECH FEE COMMITTEE – FY 2015:

- William V. Faulkner, Vice President for Finance and Administration (Co-Chair)
- Paul Marchese, Provost & Vice President for Academic Affairs (Co-Chair)
- Mr. George Sherman, Executive Director of Information Technology
- Mr. Bruce Naples, Director of the Academic Computing Center
- Dr. Kathleen Villani , Chair - Business Department
- Professor Stu Asser, Chair - Department of Electrical and Computer Engineering
- Professor Wendy Ford, Associate Professor Business Department and Academic Senate Committee Representative
- Professor Anthony Kolios, Associate Professor Business Department and Faculty Executive Committee Representative
- Mr. Patrick Boucicault, President, Student Government (SG)
- Mr. Eber Blanco, Executive VP, SG
- Ms. Moohanie Balkaran, Administrative VP, SG
- Ms. Lijuan He, Treasurer, SG
- Mr. Giancarlos Llanos-Romero, VP for PT Students, SG
- Mr. Ted Pierre-Louis, Parliamentarian, SG
- Kyle Chin-How, Executive Secretary, SG
- Mr. Junior Jacquelin, VP for Evening Students, SG

THE TECHNOLOGY FEE PLAN - $2,950,000

The members of the Student 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.

BACKGROUND

The expenditure of technology fee funds as described 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 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 and continues to enhance the standard wireless environment throughout the campus. Presently, the wireless network serves students throughout the campus with the ever-increasing variety of hand held devices that students and faculty bring to campus. During 2015, as new wireless network devises were added, we added secure sign-on authentication to ensure that only authorized students can access the network. Throughout 2016, we will be expanding the network to the outer reaches of the campus and replacing older, original devises to maximize service.

When the campus was initially wired, every building on campus was connected to a fiber-optic Ethernet backbone. Soon thereafter, every computer lab on campus was wired to that backbone. Over the last several years, through the Technology Fee, all network switches serving labs have been upgraded to the current 1 Gigabit speed. To enable instructors to take advantage of these connections, the College has multiple smart-carts that can be rolled into any classroom, connected to the Internet, and used to project multimedia instructional material onto a screen. Over the last several years, and with expansion planned for FY 2016, over 125 smart-rooms will have been outfitted with instructional podiums that include an Internet-connected computer with annotation touch monitor, a projector with screen, a document camera, a DVD/VCR player, and a sound system.

LOOKING FORWARD

Major categories of Tech Fee expenditures (detailed below) will be continued in FY 2016, including: the replacement of all student-use computers that are four years old; upgrade of servers providing student services; upgrade and expansion of software licensing including specialized Library databases; installation of additional instructional podiums; building of Tech Flex classrooms (dual boot Windows and MacOS teaching spaces); replacement of student-use printers; and multiple infrastructure upgrades. We will also be assessing individual academic

department proposals for hardware and software that will enhance our students learning experience is areas that are specialized and specific to their disciplines.

STUDENT DEVELOPMENT $300,000

In addition to hardware and software expenditures, the Technology Fee supports the employment of *student interns* to work in positions of technology support throughout the campus.

Established in 2005, the Technology Fee Student Internship program funds student development, which includes computer-related internships, specialized training, and student seminars. Over 60 student interns are employed each semester in over two dozen instructional support departments. The student tech fee interns develop and apply computer technology skills under the mentorship of faculty and professional staff. They 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, Financial Services, IT Center and in the Library, and also assist in the Office of Services for Students with Disabilities, as well as instructional support labs in a number of academic departments.

These paid student internships bring additional benefits of supporting other students in departmental labs through their technical assistance with computer equipment, and provide increased student access to support labs because service hours can be expanded due to their deployment in the facilities.

Each year, the interns and their mentors are honored at a Technology Fee Internship Reception, hosted by the Technology Fee Committee, which recognizes special accomplishments of tech fee student interns for their creativity, technical achievements and service to our students and the College.

SPECIAL PROJECTS - OVERVIEW

At the first meeting of the Tech Fee Committee, Special Project requests, already received through the Resource Planning & Allocation process, are prioritized and voted on by the Committee. Throughout the year as additional requests are received they are also prioritized and voted on by the Committee. In this way, some Tech Fee funding can be used to respond quickly to the ever-changing technological needs of the Academic community.

SPECIAL PROJECTS - FY 2015 - $891,000

For the coming Fiscal Year the Committee has approved Special Project funding totaling $891,000. However, throughout the year as additional needs are identified they will be prioritized and voted on by the Committee. Approved projects include:

Project Name: **Tech-Flex Classrooms**
(This is a recurring project)

Proposed Budget: $85,000

Description: These classrooms are built to provide maximum flexibility for students and teachers. They contain hide-away computer desks, dual boot (Windows and MacOS) student computers, and an instructional podium to match.

Project Name: **Multimedia Classroom Podiums**
(This is a recurring project)

Proposed Budget: $441,000

Description: Continuation of our program to eventually have presentation technology in every classroom. Students expect their teachers to make use of technology in the classroom. This adds the capability of computers, projection systems, document cameras, DVD players & screen annotation to each room. As student presentations become frequently required across the curriculum, students benefit as they get to use this technology. In 2016 we expect to add 12 new rooms and begin a replacement cycle for the original installations.

Project Name: **Multimedia Classroom Podia Replacement**

Proposed Budget: $120,000

Description: As an addendum to the Multimedia Classroom Podium initiative, we are allocating one additional allotment for e-podia technology to a classroom that has legacy presentation capability which no longer meets classroom needs of students and faculty.

Project Name: **Library Laptop Student Loaners & Cart**

Proposed Budget: $45,000

Description: The Library will expand their inventory and the ability to loan laptops to students based on the growing demand evident in the library. Approved by the Committee in the May 2015 meeting, the Library will order 36 laptops and a charging cart.

Project Name: **One Touch Studio Equipment**

Proposed Budget: $75,000

Description: The College is developing a One Touch Digital Video Recording Studio that will be available to students for video recording and production. The funding is supplemental to legislative grants and college support. The Tech Fee Committee has earmarked the funds pending a presentation of proposed equipment in the September 2015 meeting

Project Name: **Academic Department Proposed Projects / Software**

Proposed Budget: $125,000

Description: The College is finalizing the 2016 resource planning process which will identify proposed projects for consideration by the Committee in September. $125,000 has been earmarked by the Committee for this purpose.

LICENSING / SOFTWARE - $362,000

The Student Technology Fee funds pay for ALL software used by students. Each semester, via an electronically based web form, individual faculty members are given the opportunity to request software needed to support their teaching efforts. In addition, Academic Departments determine and request software. All purchased software is made available to students in both departmental computer labs and the Academic Computing Center. Beginning in 2016, the Tech Fee Committee has approved the licensing cost of our QCC's Student Mobile Application at $52,000 *See **APPENDIX A** for a list of FY 2015 Software Expenditures thru March 2015.*

ASSISTIVE TECHNOLOGY EXPENDITURES - $30,000

With regard to Assistive Technology, Tech Fee funding has supported the College's twofold approach, which includes 1) Americans with Disabilities Act (ADA) compliant workstations in all labs for student use, and 2) a centralized Services for Students with Disabilities (SSD) Lab which provides individualized tutoring, a study lab, assistive technology and a testing center that administers exams with reasonable accommodations.

Each year as the number of teaching-spaces with technology increase, the Tech Fee provides funds to support the necessary assistive technology. Also supported is the continuation of software licensing and newly introduced supportive technology.

OTHER HARDWARE - $364,000

In an effort to ensure that students constantly have an enriching, educational technological experience, the Other Hardware fund was created with the directive to promptly replace technology, i.e., printers, projectors, bulbs, scanners, servers, switches, which are obsolete and beyond repair. Specifically, it serves Academic Departments as it allocates available replacement funds to address emergency repairs and provides for an on hand inventory of critical components needed to maintain classroom functionality, i.e. instructional podium monitors, switches, computers, spare projectors and projector lamps. This allotment of funds results in a significant reduction of classroom downtime when these items fail as components are readily available to install.

PRINTING - $65,000

Printer Maintenance & Supplies – this covers the cost of paper and toner for student-use printers in the open labs around the campus. It also covers "maintenance-kits" which are used to re-furbish printers as they reach critical print-counts. In addition, we have allocated funding of $15,000 to allow for integration to our student ID card system to limit printing capabilities to currently enrolled students.

STUDENT-USE COMPUTERS FOUR-YEAR REPLACEMENT CYCLE - $475,000

Student-use computers are replaced each year to achieve the goal of not having any older than four years. As new computerized facilities are added thru Special Tech Fee Projects or grants, this number increases accordingly. In FY 2015, 374 computers were replaced. For FY 2016 it is expected that 355 computers will be replaced.

ETI - $363,000

In FY 2014 CUNY Enterprise Initiatives (Blackboard, Email, Academic Advisement, Etc.) charged to Tech Fee totaled $330,000. Next year we anticipate a total of $363,000.

APPENDIX A - ACTUAL LICENSING EXPENDITURES – FY2015 thru June

The following list represents software licensing purchases requested and used by faculty and students to accomplish their learning objectives and complete their curriculum requirements. Students benefit by having the software available in all academic department laboratories and the Academic Computing Center as it enriches their educational experience and allows them to meet the objectives of their course syllabi.

Vendor	Description	Cost
Alexander Street	American History in Video	$1,227.15
Allegheny	Annual Objet 30 Pro License	$4,200.00
Allegheny Edu	Annual software	$2,400.00
American Psychiatric	DSM	$4,630.00
ANSYS	ANSYS license	$2,350.00
Apple Inc.	AppleCare Help Desk	$2,239.00
Artstor	Annual Access Fee-Artstor	$1,815.00
Avid	Audio Training & Travel Expenses	$7,500.00
B & H Photo	License for Newtek Protek care	$1,945.00
Blackboard	ID Room Licensing	$34,017.50
CADD Edge	Solidworks Annual software	$1,900.00
Cambridge Univ.	Cambridge Companions to Philosophy, Religion	$1,680.00
Career Dimensions	Focus 2 Online 07/01/15 to 06/30/16	$1,235.00
CareerAmerica	Financial Aid TV Renewal 5-15-15 - 5-14-16	$12,000.00
CAS Chemical Abstract	SciFinder- License	$4,495.00

CBA Media	Upgrade to Flipping Book Publisher	$468.00
CDW-G	Parallels 30 User Renewal & Acronis 100 User Add	$3,575.50
CDW-G	Axis Camera Station Renewal	$170.00
CDW-G	Acronis 50 User license 16.95 each	$847.50
College Source	CollegeSource License	$1,212.00
CRED	Annual software	$9,096.00
Credly	Credly Premier Subscription (Year 1):	$4,950.00
Digication	ePortfolio and Assessment License	$15,000.00
Dropbox	61 DropBox Business Account Renewal	$5,456.50
EAC	EAC Visual Data license	$3,500.00
EBSCO	Journal of Nursing/ Journal at Ovid	$458.61
EBSCO	Journal Space Weather	$462.28
EBSCO	Annual software	$1,945.00
EBSCO	Cochrane Collection Plus	$6,227.00
EduCanon	20 Premium Teacher Licenses	$1,424.00
FileMaker	6 1 Year VLA and 2 Pro Adv Renewal	$364.00
Getty Images IStockPhoto	Istock TeamShare 5 User Upgrade 20% savings	$2,400.00
GoAnimate	10 Seat GoTeam 1 Year (6 renew + 4 new)	$6,000.00
Hamrick Software	VueScan Professional Single User	$79.95
HB Communications	HB Service Agreement-Audiovisual & Video	$4,075.00
HB Communications	SLA Agreement Renewal 7/1/15 - 6/30/15	$9,225.00
Impatica	License for Imp4ppt	$999.00
IOP Publishing	IOPscience extra-Electronic Edition	$1,279.00
Jstor	Jstor License	$1,500.00
Kaltura	250 User 6 month Pilot License and Training	$8,100.00
Learning Express	Learning Express library	$2,699.00
MathWorks	MatLab Maintenance	$180.96
Microsoft	DreamSpark Prem. ESD (ET Renewal)	$320.00
Microsoft	DreamSpark Prem. ESD (Business Renewal)	$320.00
Microsoft	DreamSpark Prem. ESD (Math Renewal)	$320.00
Microsoft	DreamSpark Prem. ESD (ACC Renewal)	$320.00
Minitab	Minitab 17 100 user renewal 3/1/15-2/29/16	$2,376.00
MSN	MathSciNet including database-	$105.00
National Instruments	License for Windows/Mac//Linux	$411.80
National Instruments	NI Multisim-Ultiboard - Annual Software	$1,926.80
Nub Games	Annual Subscription	$420.00
OptimalResume.com	Annual Fee OptimalResume Optimal Interview	$5,945.00
Ovid Technologies	Healthcare licensing	$540.00
Ovid Technologies	Licensing for Nursing	$1,964.00
PayPal	License for Payflow	$649.20
PayPal	Webalon	$300.00

Predator	Predator Virtual CNC-Stud/Instructor	$1,830.00
QM Quality Matters	QM Quality Matter - annual subscription8/1/15-7/31/16	$1,650.00
Respondus	Respondus License	$2,095.00
Robo Matter	ROBOTC for /VEX Robotics- Renewal	$799.00
Robo Matter	ROBOTC LEGO + Robot Virual World- Renewal	$933.00
Softchalk	Annual software	$8,448.00
StrivenEnmedia	VirtualJobShadow.com- up to15,000 users	$1,700.00
TechSmith	100 Snagit Win/Mac Licenses with Maintenance	$1,873.00
Time Warner	Time Warner Enet Service	$108,000.00
Vandis	Firewall /Aruba Networks- Licenses/Support for lic.	$5,907.50
Veralab	Suite Upgrade 1000 Client Ext Support 1/2016	$2,030.00
VIDOX	Software for Speech & Theatre Dept	$199.00
Virtuit	Licensing ETE2000	$1,439.10
Virtuit	ETDX 80 & ETE2000 Post Warranty	$4,896.38
Visix	Server & Channel Player License Renewal	$4,229.00
Voicethread	VoiceThread- 2 yr site license	$7,438.35
Waldo	NAXOS Music ProQuest 8/1/14 - 7/31/15	$16,488.88