



CCNY STUDENT TECHNOLOGY FEE PLAN

FY 2024

By

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Background

In the fall of 2001, CCNY established a Technology Task Force comprised of representatives from the administration, faculty, student body and technology support offices to formulate a set of recommendations to improve technology throughout the College using funds collected through the Student Technology Fee. Its recommendations for educational applications of technology provide the basis for discussions between the members of the *Technology Fee Committee* – the group charged with drafting the annual plans for the investment of the Student Technology Fee (Tech Fee). The 2023-2024 Technology Fee Plan can be viewed at <https://www.ccny.cuny.edu/techfee>.

Introduction

The Technology Fee Committee has agreed on two planning principles:

1. The funds should be invested in ways that directly and positively impact the experience of students at the College
2. In the initial years, at least, the funds should be concentrated on a limited number of projects that are large enough to have significant visibility and effect.

With this agreement in place, the committee identified four goals:

Goal 1: Increase the number of students who are able to use new technology tools competently and creatively.

Goal 2: Significantly expand faculty use of new technology tools within the College's classrooms and curricula.

Goal 3: Enhance student access to new technology tools.

Goal 4: Extend the learning and research resources that the City College libraries make available electronically.

FY 2024 Proposed Activities and Corresponding Budgets

For the coming year, the Technology Fee Committee identified 18 activities to be implemented with a total cost of \$3,201,664. The selection of this fiscal year's technology projects is guided by funding initiatives which:

- impact the broadest number of students across schools/divisions,
- advance e-learning and improve access to higher education,
- promote post-graduate readiness, and
- reduce CCNY's carbon footprint.

The projects are as follows:

Project Title	Cost
1. University-Wide Initiatives (UWI)	\$ 798,459
2. Library Digital Subscriptions	\$ 219,800
3. CCNY University Wide Tech Fee Investment Program	\$ 240,056
4. OIT – Maintenance Costs	\$ 364,852
5. Theatre and Speech Space Upgrade	\$ 4,046
6. CCNY Student Laptop Loans Program Expansion	\$ 6,204
7. SoE Learning & Technology Resource Center Learning System Upgrade	\$ 9,594
8. School of Architecture Network Cabling Upgrade for Digital Signature	\$ 11,200
9. Smart Classroom/Seminar Room New AV System for Premed Program	\$ 11,856
10. School of Education Classroom Displays Upgrade	\$ 13,216
11. CWE Library and Corridor Student Areas Hardware Upgrade	\$ 13,888
12. Gaming Lab Equipment Expansion - Room MR 044	\$ 15,278
13. Digital Output Center & Electronic Design Media (EDM) Lab Peripheral Upgrades	\$ 20,605
14. Manufacturing, Materials, and Aero-Thermal-Fluids Laboratories Computer Upgrade	\$ 23,706
15. School of Architecture Large Format Plotters for Studio Labs Upgrade	\$ 24,444
16. Data Mapping in the field Equipment for interdisciplinary coursework and Research	\$ 24,650
17. Computer Teaching Lab Upgrade (MCA), Room SH 462	\$ 37,968
18. Student Technology Internship Program (STIP) - included fringe benefit	\$1,361,842
Grand Total	\$3,201,664

List of Accomplishments for the end of FY 2023

Since its founding in 2001, the City College Technology Fee Committee has been successful acquiring, deploying, and maintaining information technology for our students. Technology Fee funds are used to provide a wide range of services including upgrading student computer labs, upgrading smart-classrooms, renewing software, maintaining licenses, and expanding the network infrastructure for student activity. Furthermore, they have secured funding for University Wide Initiatives (UWI), electronic media resources and library publications. They are also used to fund innovative initiatives to meet student needs as specified by departments and special programs throughout the College.

Enhancing the experience of our students by prudently and effectively investing Technology Fee funds throughout the College are the committee's top priorities. For fiscal year 2023, the projects that the Committee selected are listed below:

- University-Wide Initiatives (UWI)
- Library Digital Subscriptions
- OIT-Maintenance Costs
- School of Education Multimedia Center Computer Upgrade
- School of Education Learning and Technology Resource Center Computer Upgrade
- CCAPP Summer Program for Entering Freshmen in STEM New Laptop
- School of Architecture Digital Signature System Deployment
- Science and Engineering Library Computer Upgrade
- Electronic Design Multimedia (EDM) Computer Lab Upgrade
- Implementation of the Experiential Learning Computer Lab Psychology Department
- Student Technology Internship Program (STIP)

Using this year's Tech Fee funding, we were able to accomplish the following:

1. Office of Information Technology (OIT)

The OIT division was able to continue maintaining essential technology services for students and complete several key projects to enable students to continue to achieve academic success. All general student-related license agreements were renewed, including Booking Point, Digital Signage, Deep Freeze, Symplicity Career Services Management, and ENVI+IDL Academic for students. Wireless access points (AP) and VIA Connect Pro wireless presentation devices have been upgraded and extended throughout our complement of smart classrooms.

2. Library Subscriptions

We have renewed the college libraries' digital subscriptions to thousands of academic journals, patents, images, books, and conference proceedings – including Thomson Reuters Sci, SciFinder, Thieme Package, etc. These subscriptions and online databases allow students to access numerous critical resources to substantiate their academic papers and research, furthering the College's mission to foster informed graduates and researchers who can excel in our global economy.

3. University-Wide Initiatives (UWI)

The Office of Information Technology allocated 25 percent of the Technology Fee revenue to CUNY University-Wide Initiatives. This allocation of funds is guided by compliance with CUNY policy. For a listing of current UWI projects,

4. Student Technology Internship Program (STIP)

Through the Student Technology Internship Program (STIP), CCNY students are trained to address the daily technology needs of our students, faculty and staff on campus. Over the years, STIP has proved to be essential in helping OIT deliver essential services to students, faculty and staff, both inside and outside the classroom setting, while providing participating students with robust, 21st-century job skills.

STIP has placed 45 of our students in the following areas:

- OIT Reservation Desk (for Students and Faculty)
- OIT Service Desk
- College Wide and Divisional Client IT Service Support
- General OIT and Divisional Computer Labs Support

Technology Fee Supported OIT Projects

Thanks to the support of the Tech Fee Advisory Committee members at CCNY and the Tech Fee funding this fiscal year (FY 2023), OIT has completed ten (10) key projects out of the 11 approved proposals listed above. These projects have improved student life on campus: The other proposal is in progress. They should be completed by August 30, 2023.

5. School of Education Multimedia Center Desktops Upgrade

The Education division's general teaching lab located NAC 4/221 has 30 desktop computers. The computer lab is heavily used for classroom sessions and as an open lab when there are no classes. In collaboration with the School of Education Info Tech Support, to accommodate remote instruction and other purposes, OIT upgraded ten (10) of the 30 available computers with new webcams.

6. School of Education Learning and Technology Resource Center Desktops Upgrade

In addition to upgrading the Multimedia Center Computers, OIT upgraded ten (10) of the 40 desktop computers in the Learning and Technology Resource Center Lab. These computers were upgraded in preparation for the School of Education accreditation visit. This upgrade included new webcams as well.

7. CCAPP Summer Program for Entering Freshmen in STEM New Laptop

CCAPP Summer Program is an intensive four-week problem-solving experience that combines the teaching of problem-solving techniques using chemistry and physics content. These techniques are also applied to projects based on engineering design problems. Students work in teams led by City College's upper classmates. For this project, OIT purchased 14 laptops and a laptop charging cart. The new laptops will enable students to work on sophisticated projects without the disruptions of obsolete technology. The program requires students to work on projects and present their presentations in class. Accepted students will be divided into five groups. Each group needs at least three laptops to work on their data collection and produce and present PowerPoint presentations.

8. Science and Engineering Library Computer Upgrade

Most of the computers in the Cohen Library are more than eight (8) years old. Students who use these computers are constantly complaining that the computers are very slow and prone to disruptions. These computers have been upgraded with a better and faster processor. Students

can now run any software available in the library without any problem. We also installed two (2) new high-quality scanners to allow students to digitize materials needed for their classes.

9. Upgrading the Electronic Design Multimedia (EDM) Computer Lab Upgrade, Room CG 121

OIT upgraded the 18 Macs Mini in Room CG 121 with the newest Mac Mini M1 Chip technology, which included 16 GB RAM. This computer classroom is used to teach advanced courses in web design, Motion Graphics, 3D Imaging, Print Production, Digital Video, Gaming, and Capstone Portfolio. We also upgraded a total of 18 16-year-old monitors with the newest BenQ technology, which provide a much larger screen environment that is more suitable for graphics work than the previous 21" iMacs. They also offer students industry-quality color printing for their portfolios and other work-related projects. In addition, the projectors in CG 122 and CG 124 were upgraded with the newest BenQ HT2050 High-Definition technology.

10. Implementation of the Experiential Learning Lab, Room NAC 8/133A.

In collaboration with our Facilities Department, OIT converted room NAC 8/133A into a professional development space. We installed 25 new Dell Precision 3450 and a MacBook Pro laptop for instructors to use during classroom sessions. A new high-end AV System was also installed that includes the VIA Connect Pro wireless presentation system, which allows both instructors and students to wireless share their mobile devices. Additionally, two new Wi-Fi access points and a high-quality 75" Panasonic TV were installed. This new high-end technology will allow incoming students for the Bridge program the opportunity to hone fundamental academic and technology skills to succeed in industry without problems associated with using deficient technology resources.

We have also been able to complete several projects funded in fiscal years 2020, 2021, and 2022 that were put on hold due to the Covid-19 Pandemic.

1. New Audio Sound for the Student Lounge/Conference room, NAC 5/114D

OIT has purchased a new audio system to be installed in the Student Lounge/Conference room. This new system will allow students to make clear, high-quality presentations and use the conference room to show educational films and other activities.

2. Technology Acquisition to Improve Student Experience Humanities and the Arts

OIT purchased eight (8) MacBook Pros and five (5) iMacs to facilitate meetings, presentations, and panel discussions. This equipment will be installed in the three Humanities Division advising offices and common student areas so that faculty, staff, and advisors may present vital information more effectively and students may achieve a better overall educational and co-curricular experience.

3. Virtual Labs and the Critical Need for Innovative Online Instruction Development in Chemistry and Biochemistry, Rooms MS1009 & MS1011

In collaboration with the Office of Facilities Management, OIT helped to build two (2) new learning environments that can be used for virtual lab experiments. The Chemistry Department selected suitable labs to replace and enhance existing labs in General Chemistry I courses with new labs to be introduced and integrated into General Chemistry I and II, including the Gas Laws Virtual Lab, Spectroscopy Virtual Lab, Introduction to Excel Lab, and one problem-solving set. These labs are intellectually engaging and expose students to inquiry-based and active learning methods of instruction. We anticipate that more than 2,000 undergraduate students will be impacted each year, primarily with majors that span the Science and Engineering disciplines. These two rooms have been outfitted with the following equipment: 60 laptops, two network printers, and Wi-Fi access.

4. School of Education Multimedia Center Adding Recording Devices in Classrooms

To become state-certified, student teachers are required to prepare an online portfolio called edTPA (Teacher Performance Assessment). This portfolio is required to include a recording of instructors teaching in an actual classroom. Since spring 2014, all education students working towards their first certification must undergo this process to teach in NYS public schools. All 2,300 School of Education students will share access to these resources. OIT purchased additional video recording devices such as camcorders, tripods, tablet/smartphone stands, and microphones. Furthermore, a Swivel robot and Obsbot AI technology were acquired and deployed to allow student teachers to submit a better video segment as evidence of their teaching skills. A new Audio System Quantum II was installed to improve audio recording during class sessions.

5. Development for the Social Science Computer Lounge, NAC 7/120D

NAC 7/120D was a computer lounge available for all CCNY undergraduate and graduate students. This space was repurposed in recent years to accommodate students' need for a space to work, gather, and socialize. To support the academic progress of psychology majors and other students, the Psychology Department has increased its technology requirements across several quantitative and STEM-based classes. They provide a popular peer-mentoring program and tutoring services to support students and foster success. OIT installed six new (6) computers, a wireless access point, and a printer. New audiovisual equipment was also deployed that allows students to develop their professional presentation skills.

6. Development of Wi-Fi for Student Spaces School of Architecture

For years, much of the Spitzer School of Architecture's Wi-Fi infrastructure is too obsolete to service and provides inadequate network connectivity. The building had many Wi-Fi zones with weak or no signals throughout each floor, especially in the studios and gallery areas where students spend most of their time. OIT installed 30 new access points (APs) and upgraded network cabling to the existing APs on each floor of the building, including adding new APs in spaces populated by students such as classrooms, study rooms, studios, lecture halls, computer labs and presentation spaces. These Wi-Fi and network upgrades have substantially enhanced students' learning experiences.

7. A new Space for Environmental Learning - AV Upgrade for Room MR 1128

With the support of the Division of Science, a new classroom space (Marshak 1128) has been secured to create a new Environmental Learning Classroom for EAS Students. In collaboration with the Office of Facilities, OIT installed a new AV system that will allow students to learn about earth, sustainability, climate, and environmental changes. This new room impacts students across campus, including undergraduates in the School of Engineering and graduate students in Earth Science and Sustainability programs.

8. Computer Upgrade for Biology Resource and Teaching Center, Rooms MR 506 & 502

The computers in the Biology Resource Center support students enrolled in required science courses, including Bio 10200 (Intro Bio), Bio 24700/24800 (Anatomy & Physiology I & II), and Bio 22800 (Ecology & Evolution). OIT purchased and installed five (5) iMac 21.5 and five (5) Dell

OptiPlex computers. Its computers were obsolete and often malfunctioned while in use by students. Besides the computer replacement, the Center's two (2) aging projectors were replaced with the newest AV technology system. The new AV system includes VIA Connect Pro wireless presentation, wireless access points, a large flat panel monitor, two (2) laptops, and upgraded network cables.

List of Projects in Progress

For the following projects OIT has purchased most of the equipment; we plan to complete these projects by August 2023. Many of these projects have been delayed as a result of the recent high volume of new technology equipment acquisitions enabled by substantial CARES Act funding combined with delays incurred because of limited Facilities department personnel (carpenters, laborers, electricians, etc.) who collaborate with OIT staff on technology deployments.

1. School of Architecture Digital Signature System Deployment

OIT already purchased four digital signage displays to enhance the Spitzer Building by presenting student work and SSA-related informational content. These displays will be installed strategically throughout the Spitzer School of Architecture and provide real-time important information and alerts to the entire SSA community. A 98" display will be used as a digital signage wall. The screen will be segmented into three (3) classifications: notifications and alerts, events, and available resources for students. The other three (3) displays will showcase student work and announcements for the entire school. The digital signage will also serve as a way finder and include digital maps.

2. The Tech Center Main Student Lab AV Equipment Replacement

Most of the audiovisual technology within the Tech Center's three (3) STC computer labs has not been updated since its opening in 2011. While our technical staff has done an outstanding job maintaining the systems, many audiovisual and computer systems have become obsolete, exceeding their warranties and life expectancies. The projectors installed in the three classrooms have reached their end-of-life; furthermore, the large smart classrooms were not equipped with speaker systems. To improve the audiovisual experience in these popular classrooms, OIT purchased and received the new AV systems, which include deploying technology-enhanced podiums with Microsoft Surface Pro embedded microphones and ceiling-mounted speakers, instructor computers, wireless VIA Connect wireless projection systems, and document cameras. The obsolete projectors will be replaced with 78" flat-panel touch screens that will be mirrored to strategically placed 98" flat panels that are brighter, clearer, and have a longer life expectancy. These changes will enhance our instructors' and students' teaching and learning experience. To

date, the technology in the two smaller STC computer labs has been upgraded; we expect the upgrade of STC 1, the largest and most complex AV configuration, to be completed by summer 2024.

2. City Central One Stop for Students

The City Central One-Stop "one-stop-shop solution" serve as the primary point of contact for students, faculty, and staff seeking basic enrollment management services, providing a much more convenient and efficient way to address the general inquiries and urgent needs of students and faculty. In collaboration with the Office of Facilities, OIT relocated the City Central One Stop to the NAC Lobby Area (room NAC 1/205) to expand this outstanding initiative initiated in 2018.

The One Stop will function as a central hub for students to receive concierge services delivered by enrollment management professionals in this new location. It is expected to become a fast-paced, high-volume hub that provides friendly, quality, and in-person information to students and the community. OIT has purchased and deployed the following equipment: three (3) Dell Computers, (4) Dell all-in-one desktop computers, (3) Dell Latitude laptops, one (1) digital signage display, new access points (APs), and installation of new network cabling. The remaining three (3) Dell all-in-one desktop computers will be deployed as kiosk systems by the Spring 2024 semester.

3. School of Architecture Lecture Hall (SSA 107) Audiovisual Upgrade

The main lecture hall in the Spitzer School of Architecture (SSA) located in SSA 107 has a capacity of 175. While it is primarily used by Spitzer students, faculty, and staff, it is often used by other departments and programs throughout the college. The audiovisual infrastructure is over ten (10) years old and fails to keep up with the growing production demands of our faculty and staff who continually generate extraordinary volumes of digital and multimedia content. The goal is to completely redo the AV infrastructure with new state-of-the-art audiovisual technology including upgraded projection systems, speakers, podium, and lecture capture systems that will allow faculty to show videos and share other educational resources with students, but will also function as an environment to provide opportunities for distance learning and hybrid instruction and lecture capture. These facilities will also allow our faculty and students to use video conferencing technology to collaborate with other universities and organizations in the industry fields. OIT already purchased the equipment and is waiting for the coordination and scheduling of installation.

4. Reducing Carbon Footprints and Increasing Digital Footprints by Using Digital Display

In collaboration with the Office of Facilities, OIT will install 11 65" 4k digital display screens with VIA Connect Pros in multiple locations on various Spitzer School of Architecture floors. In addition, nine (9) additional VIA Connect Pros will be installed in student seminar rooms where classes are held. Students will be able to reserve a display for presentations and reviews. Since these displays will be located on designated wall spaces in corridors, students across campus will also have access to engage with these presentation displays. This accommodates an active learning experience outside the confines of a classroom while reducing the cost of ink and paper usage for students. These digital displays will also support CCNY's green campus initiative.

Proposed Activities and Corresponding Budgets

CCNY Student Technology Fee Plan

1. University-Wide Initiatives (CUNY-UWI) Projects

- A. Please select one Category:** 2 – Continuing
B. Who Proposed: IT Steering Committee

Person Responsible for Project(s): Ken Ihrer, VP & CIO Info Tech
Telephone Number: 212-650-7400
Email: kihrer@ccny.cuny.edu

11=K Purchase of Enterprise Solutions

College Department(s) Affected: Entire College

Project Description:

CCNY has reserved 24 percent of the total Technology Fee revenue for paying for University-Wide Initiative projects (CUNY-UWI). I am requesting \$798,459 to continue funding the software listed below.

FY 2024 Fiscal Year Budget:

List of Software	Description	Year 23 (FY 2024)
SAS	SAS Core License	\$ 2,383
Maple Inc	Mathematics for students	\$ 3,943
DropBox	Dropbox online files and services	\$ 10,577
MathWorks	MATLAB	\$ 15,736
McAfee	Dyntek Antivirus Protection	\$ 24,301
Turnitin	Plagiarism detection software	\$ 26,112
Coursedog	Curriculum and schedule planning	\$ 32,286
SPSS	Statistics and Analysis	\$ 36,506
Adobe	Adobe ELA Enterprise Lic. Agreement	\$ 50,079
Blackboard	Collaborate Web & Learn	\$ 88,000
Coranet Corp	Cisco SmartNet: Hardware/Software	\$ 61,055
Microsoft	Microsoft A5 Enterprise Lic. Agreement	\$ 168,444
ELSEVIER BV	Periodicals/Subscriptions	\$ 279,037
Total		\$ 798,459

2. Library Services–Database and Digital Subscriptions

- A. Please select one Category: 2 – Continuing
- B. Who Proposed: Acting Associate Dean (Faculty)

Person Responsible for Project(s): Lon Mendelsohn, Acting Associate Dean and Chief Librarian
Telephone Number: 212-650-7271
Email: lmend@ccny.cuny.edu

6=F Electronics Information resources in the Library

College Department(s) Affected: Entire College

Impact on Students:

Students use digital subscriptions for study and research, both on campus and through the internet via web proxy. This content is vital to City College's mission to graduate IT-literate citizens able to function in a global society. Students learn how to effectively use these databases through the information literacy program in our classrooms. They require access to these databases from outside the campus as they do their research.

Federal law requires that assistive technology be available to students with disabilities who need it to complete required coursework successfully.

Project Description:

The Library is requesting funding from the Technology Fee funds to continue subscription costs for online resources that were funded in the previous years from the Technology Fee funds. Below, please find a brief description of each database/digital subscription:

1. Thieme e-Journals

The Thieme journals are scholarly, peer-reviewed publications oriented toward senior or higher-level researchers. Thieme publishes over 100 scientific and medical journals, of which almost 40 are in English. Full text is available for four of these journals and tables of contents and abstracts are available for the others.

2. Emerald Engineering and Management

The Emerald Engineering e-Journal collection comprises online access to the abstracts and full text of all the journals within Emerald's engineering, materials science and technology portfolio. It also features 120 Business and Management journals, all of which are peer-reviewed and full-text periodicals, plus reviews from the world's top 300 management journals in computer science, marketing, information sciences, and management.

3. SciFinder Scholar

SciFinder Scholar is a comprehensive database indexing the chemistry and related sciences literature. It helps locate articles concerned with specific chemical substances and reactions. This is a cooperative purchasing arrangement between seven CUNY schools.

4. American Chemical Society Online, 2020 subscription

The American Chemical Society (ACS) publishes 38 journals and magazines covering all aspects of the science of chemistry. These ACS journals are scholarly, peer-reviewed publications oriented toward senior or higher-level readers. Full text is available for 33 of them. Index and abstract information are available for all of these publications. We use the CUNY-negotiated pricing arranged through NYSE.

5. e-Books

We have access to 80,000+ eBooks. Almost all of these publications are scholarly and oriented toward seniors or higher-level students and researchers. These databases cover all areas of study with a concentration in the sciences and engineering.

FY 2024 Fiscal Year Budget:

Items	Cost
	Year 23(2023 - 2024)
Library Digital Electronic Databases	
1.Thieme e-Journals	\$ 4,800
2. SciFinder Scholar	\$ 30,000
3. Emerald Management and Engineering	\$ 35,000
4. American Chemical Society	\$ 50,000
5. e-Books	\$100,000
Total	\$219,800

3. CCNY University-Wide Tech Fee Investment Program

A. Please select one Category: 1 – New

B. Who Proposed: IT Steering Committee

Person Responsible for Project(s): Ken Ihrer, VP & CIO Info Tech

Telephone Number: 212-650-7400

Email: kihrer@ccny.cuny.edu

11=K Purchase of Enterprise Solutions

College Department(s) Affected: Entire College

Project Description:

CUNY has reinstated the University-wide Tech Fee Investment Program after a five-year pause. Each CUNY college is now required to resume contributing 8% of their Tech Fee revenue to this fund. CCNY will contribute 8% of its Technology Fee revenue for FY 2024, totaling \$240,056. These funds will be used to invest in university-wide technology initiatives.

4) Office of Information Technology (OIT) Maintenance and Licenses Cost

A. Please select one Category: 2 – Continuing

B. Who Proposed: IT Steering Committee

Person Responsible for Project(s): Ken Ihrer, VP Office of Operations & CIO Info Tech
Telephone Number: 212-650-7400
Email: kihrer@ccny.cuny.edu

11=K Purchase of Enterprise Solutions

College Department(s) Affected: Entire College

Impact on Students:

The Office of Information Technology is responsible for maintaining and supporting the operations of the City College networking infrastructure and campus-wide student resources, which include:

- General Students' Computer Labs (i.e. Tech Center and NAC "Fishbowl" Computer Lab), Undergraduate and Graduate Student labs, as well as the Science, Architecture, and Music Libraries
- Service Desk, Client Services, Instructional Technology and Media Support Services and campus-wide licenses and hardware for students' use.

Project Description:

The Office of Information Technology (OIT) is requesting \$365,382 from the College's Technology Fee Budget to cover recurring costs to pay for campus-wide licenses, hardware, and audio/video for all available smart rooms and general computer labs equipment and supplies.

Some of the essential services, which benefit the entire student population, include:

1. Hardware and peripheral support and maintenance agreements for student-centric devices and annual maintenance for AV equipment/accessories in classrooms, charging stations, etc.
2. Campus-wide license agreement extensions and maintenance dedicated for student use. This includes annual maintenance updates, software releases and security software encryption:
Deep Freeze, Paper Cut Manager Plus, LabStats, Digital Signage, Qless, Aruba Wi-Fi access point license renewals, Citrix Xen Desktop, Comodo SSL Certificate, Jamf Casper, Bomgar, Web-Checkout, SysAid, Chatbot, Booking Point, Smart Learning Suite for smartboards, etc.
3. General student computer labs' supplies (such as toner, paper, printer maintenance kits, etc.), computer lab replacement parts (such as keyboards, mice, printers, etc.) which are located in:
 - i. Tech Center, NAC "Fishbowl" Computer Lab, and Center for Worker Edu., Undergraduate and Graduate general use computer labs

- ii. Service Desk (Student Support Center)
- iii. Kiosks in the Administration and North Academic Center (NAC) buildings
- iv. Music and Science Libraries printers for students.
- v. Center for Worker Education (CWE)

FY 2024 Fiscal Year Budget:

Item Description	Cost
	Year 23(2023 – 2024)
1. General Computer Labs 's equipment/Accessories	\$20,000
2. Smart classrooms/Reservation Desk equipment maintenance	\$40,000
3. General Labs Maintenance	
Books Scanner	\$ 2,250
General Supplies	\$ 5,000
Paper	\$27,470
Toners & Maintenance kits	\$36,470
Sub-total	\$71,190
4. Software Licenses	
SurveyMonkey	\$ 468
AVI-SPL- Smart Learning Suite	\$ 950
Booking Point	\$ 1,048
Digital Signage License	\$ 1,500
Harris Geospatial Solution-ENVI + IDL Academic	\$ 1,998
Deep Freeze	\$ 2,000
PaperCut Remote	\$ 2,142
Bomgar Remote Access	\$ 5,693
Casper Suite – JamF	\$ 6,095
LaBStats	\$ 6,510
SSL Certificate for Wi-Fi	\$ 7,836
Career Service Manager (CSM)	\$ 8,000
Citrix Xen Desktop	\$ 8,500
WebCheckout	\$ 8,649
SysAid	\$ 8,773
Qless	\$20,500
Chatbot	\$23,000
LanDesk Patch Management	\$30,000
Wireless Licenses Support	\$90,000
Sub-total	\$233,662
Total	\$364,852

5. Theatre and Speech Space Upgrade

A. Please select one Category: **N. (New Project)**

B. Who Proposed: Students/Faculty & Staff

Person Responsible for Project(s): Jennifer Tuttle, Chair Dept. Theatre/Speech

Telephone Number: 212-650-5951

E-Mail: jtuttle@ccny.cuny.edu

8=H Upgrading instructional spaces to **support technology-assisted learning**

Department(s)/division Affected: Theatre and Speech, Division of Humanities and the Arts and Non-Liberal Art students.

How your proposal will Impact on Students:

We have two studio classrooms in CG 310 and 318 that are used for acting, directing, movement, voice, stage combat, and other theatre classes, and for production of some of our mainstage theatre productions, including our yearly One Act Festival. Students also use the spaces for workshopping their work and for rehearsing. The studios are NOT Smart Classrooms, which is a real problem. Being able to show video clips, project presentations, play music, etc. are often essential parts of the classes taught in these spaces, and we have to project on walls and use portable speakers and the equipment setup of requires professors to either arrive prior to class (if they can and aren't teaching a class immediately before), or takes up valuable class time. Students struggle with their presentations in classes if they have any tech involved, which 99% of them do. This will also benefit other departments and schools/divisions who sometimes ask to use our spaces for workshops or events—such as the Masters in Theatre Education program and the Early College Initiative program.

Project Description:

We were able to use CARES Act funding to purchase projection screens, projectors, and HDMI cables, but we need mounts for the projectors, mounts for the screens, electrical power, and network wiring to convert the rooms into actual smart classrooms.

2023 – 2024 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 23(2023 – 2024)
AV Equipment /Projection Devices		
VIA Connect Pro Presentation, \$868 each	2	\$1,736
Sub-total		\$1,736
Networking		
Cabling supplies		\$ 700
Aruba AP 535 plus accessories	1	\$1,200
Sub-total		\$1,900

Miscellaneous:		
Supplies or Accessories		
QualGear QG-PRO-PM-PC-B Pro-AV 1.5" Npt Threaded Pipe Connector Projector Accessory, \$17 each	2	\$ 34
QualGear QG-PRO-PM-3FT-B Pro-AV 1.5" Npt Threaded Pipe, 3' Length, \$44 each	4	\$176
QualGear Pro-AV QG-KIT-TA-3IN-B Projector Mount Kit Accessory with A Truss Ceiling Adapter, 3" 1.5", Black, \$100 each	2	\$200
Sub-total		\$410
Total		\$4,046

6. CCNY Student Laptop Loan Program Expansion

A. Please select one Category: 1 – New

B. Who Proposed: Staff

Person Responsible for Project(s): Vern Ballard
Telephone Number: 212- 650-5221
E-Mail: vern@ccny.cuny.edu

10=J Expand **student access to** current and emerging technology

College Departments Affected:

All CCNY matriculate (Undergraduate and Graduate) students

How your proposal will impact Students:

The CCNY Student Laptop Loaner Program, funded by the CCNY Student Technology Fee Program, started in the fall of 2016 to provide all our students with convenient access to technology resources to make them more productive scholars, especially those who cannot afford their own personal laptop. Currently, CCNY students can borrow any of the 403 laptops – 226 Dell Latitudes, 68 MacBooks, and 109 MS Surfaces that are equipped with Wi-Fi and loaded with Microsoft Office 365, Adobe Acrobat, and other CCNY-approved software.

Laptops are available for circulation Monday through Thursday, from 9:00 a.m. to 8:00 p.m. and Friday from 8:00 a.m. to 4:00 p.m. Students may also borrow them for long-term, semester-long duration. Of the 403 laptops, 362 are currently checked out for a long-term loan, leaving 41 available for short-term checkout (23 PCs, 9 Apples, 9 Microsoft Surfaces).

Project Description:

To avoid canceling other department projects, we reduced the number of laptops requested for this year from 55 new to six (6). The current total requested funding is \$ 6,204. CCNY students are typically older than traditional students and have the additional strain of living in one of the most expensive cities. Some of our students are parents themselves and many have limited resources. Absorbing the impact of the Covid-19 pandemic and soaring inflation, families with multiple students are hit the hardest as they have to stretch their budget to cover household expenses and the extra costs of the students being away from home. With the increasing cost of tuition, transportation, and rent, many of our students struggle financially and cannot afford to own a computer/laptop. For many of our students and their parents, paying cash – or even getting credit (student-loan debt has surpassed credit card debt and has substantially increased the delinquency rate) – to buy a laptop is simply not an option.

Furthermore, all of our students have been impacted by the increase in the reliance on technology fostered by the rise of hybrid instruction, remote work, and academic reliance on complex technology. As the demand for the Student Laptop Loaner Program increases, so does the need for additional funding to support its expansion. Our current program has been extremely successful and we are seeing an increase in students requesting laptops each semester. By acquiring more laptops, we can ensure that many more students have access to the technology they need regardless of their economic status or ability level. Additionally, by providing these resources on campus it will reduce costs associated with purchasing individual devices and provide a centralized location for technical support if needed.

With this in mind, I am writing to request funding to increase our fleet of laptops. The Laptop Loaner Program will grant CCNY students with limited finances more opportunities to excel by providing them with access to the latest up-to-date computers and resources required to do their academic work. Below is the budget breakdown:

FY 2023-24 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 23(2023 - 2024)
Dell Lat. 5440 13", i7, 16GB, 256 SSD + 5 yrs Support & Accidental Damage \$1,034 ea.	6	\$6,204
Total		\$6,204

7. School of Education (SoE) – Learning & Tech Resource Center Learning Systems

Upgrade

A. Please select one Category: **N. (New Project)**

B. Who Proposed: **Staff**

Person Responsible for Project(s): Leonard Lewis
Telephone Number: 212- 650-7801
E-Mail: llewis@ccny.cuny.edu

8=H Upgrading instructional spaces to **support technology-assisted learning**

Department(s)/division Affected: School of Education

How your proposal will impact Students:

Number of students impacted: about 1,250 (361 undergraduate, 889 graduate)

The School of Education (SoE) has a proud history of leading the way in using technology in the classroom and preparing our students to use these tools effectively in the classrooms in which they are or will be employed. The SoE is preparing to conduct data collection for its assessments for its AAQEP accreditation visit in Spring 2025. As such, we will be required to determine whether the School of Education is meeting professional, state, and institutional standards in providing our students access to appropriate technology and preparation with essential technological competencies to impact student learning.

This responsibility, coupled with the changing educational landscape as the nation emerges from the aftermath of the current Coronavirus pandemic, necessitates that all types of our student population have access, including students in our Students with Disabilities program. In the past few years, we have been occupied with ensuring students have the technological tools they need to meet program and professional requirements. In addition, we have upgraded labs to ensure that students have multiple preparation and review sites for the computerized assessments in which they must demonstrate proficiency prior to graduation. It is imperative that we now not only continue to provide access to all our students in whatever learning platform they engage in, whether face-to-face or online instruction but also find ways to support our students to minimize stop-outs and also ensure they complete their program of study in a timely manner.

Project Description:

The LTRC lab in the School of Education is an open lab that accommodates students from all departments. This proposal modestly requests the following items to improve accessibility for all students, including the at-risk population. First, accessories (headphones) to better equip our lab equipment for online learning. This facility is the preference for education students rather than other learning spaces around the campus. Second, security cables for the laptops being used in the facility for online learning; using security cables on the devices will help deter theft

of the valuable equipment being housed in the lab space. Third, memory upgrades to desktop systems for improved efficiency. And fourth, upgrading the scanners in the facility to accommodate students preparing learning materials for classroom teaching during their student teaching experience.

2023 - 2024 Fiscal Year Budget

Items	Qty	Cost
Hardware		Year 23(2023 - 2024)
Peripherals		
HP Scanners (HP ScanJet Pro 3000 s4-sheet feed) (\$429)	2	\$ 858
HP Scanners (HP ScanJet Pro 2600 f1-flatbed) (\$379)	4	\$1,516
Sub-total		\$2,374
Miscellaneous		
Supplies or Accessories		
[JLab Audio GoWork Headset H340] \$50	20	\$1,000
16GB (2x8GB) ddr3 1600 (PC3 12800) 2KIT102464BA160B (\$41)	26	\$1,066
Noble Locks TZ03T Ultra Compact Wedge Lock Key (\$36.60)	40	\$1,464
MX500 1TB 3D NAND SATA 2.5" Internal SSD - CT100MX500SSD1(\$65)	26	\$1,690
Dell monitors (Dell 27 4K UHD - S2721QS-) (\$250)	8	\$2,000
Sub-total		\$7,220
Total		\$9,594

8. School of Architecture (SSA) Network Cabling Upgrade for Digital Signature

A. Please select one Category: **C** (Continuing Project)

B. Please select one - Who proposed **3. Staff**

Person Responsible for Project(s): Muhammad Ahmad
Telephone Number: 212- 650-8819
E-Mail: mahmad@ccny.cuny.edu

3=C Implementing or upgrading **Student-servicing** Computer Labs

Department(s)/division Affected:

Spitzer School of Architecture (470+ students) & other programs such as Science, Engineering, Colin Powell, and student clubs – NOMAS, AIAS, GARC, and Engineers without Borders.

How your proposal will impact Students:

The Spitzer School of Architecture (SSA) enrolls at least 470 students- 330 undergraduates and 140 graduates- most of whom are full-time and enrolled in required design courses. Unlike a majority of City College students, SSA students pay not only a tech fee but also a materials fee every semester. SSA prides itself as being the first public school for architecture in New York City. With this pride, there is an inherent sense of responsibility to provide our students with a world-class education and facilities to train them for the rigors of the real world. In order for students to be prepared, they need to be armed with the latest technology and tools to succeed in their classes and beyond.

This project is a continuation of FY 23. During this phase of the project, we are seeking funding to do the network cabling for digital signage. Digital signage is another platform SSA plans to use to expand its digital footprint. There are digital signage displays all over campus, presenting various announcements and keeping the college community informed and together. However, the Spitzer School of Architecture does not have any. SSA is secluded in one corner of the campus and sometimes architecture students are unaware of the events and activities happening across campus. Digital signage displays will help students to stay informed and updated on events, activities, alerts, reminders, etc. This is an important platform of communication utilized in all top schools.

Project Description:

Based on funding from FY23, we have already purchased the displays and the digital signage players to enhance SSA's digital footprint on campus. In order to complete the project, we need network cabling work to be done for content to be displayed onto the screens. Not all students check their City College emails and printing out fliers to hang around campus is wasteful. These displays will provide real-time important information and alerts to the entire SSA community. A

98" display will be used as a digital signage wall; this screen will be utilized for three (3) purposes: notifications and alerts, events promotion, and available student resources. The other six (6) displays will showcase student work and announcements for the entire school. The digital signage will also serve as a way finder and include digital maps. They will be installed strategically throughout the Spitzer School of Architecture.

2023 - 2024 Fiscal Year Budget:

Items	Qty	Cost
		Year 23(2023 - 2024)
Networking		
Wiring: Cable Runs, \$800 per run, including materials and accessories	14	\$11,200
Total		\$11,200

9. Project Title: Smart Classroom/Seminar Room New AV System for Premed Program

A. Please select one Category: 1. N (New Project)

B. Please select one - Who proposed: Faculty & Staff

Person Responsible for Project(s): Belinda Smith & Michael Boydston-White
Telephone Number: (212) 650-7840 & 8305
Email: bsmith@ccny.cuny.edu & mboydston@ccny.cuny.edu

8=H Upgrading instructional spaces to **support technology-assisted learning**

Department(s)/division Affected:

Pre-health students are interested in going into professional programs in the health sciences (medicine, dentistry, osteopathy, optometry, podiatry, veterinary sciences, or Physician Assistant (PA) programs) after graduation. They are not required to major in any specific program, only to have completed a certain number of courses. Consequently, all divisions and departments are potentially affected. However, most of the students following a pre-health track are usually majoring in science (biology, chemistry, and biochemistry), engineering (chemical and biomedical), or social sciences (psychology and sociology).

How your proposal will impact Students:

The Pre-Health Office, formerly known as PPS (Program in Premedical Studies), serves about 400 students every year, mostly undergraduate students but also postbaccalaureate students who are not pursuing a new degree and second-degree students. All these students will be positively impacted by the creation of a new multi-functional room on the 12th floor of the Marshak building that will be used for workshops, seminars, as well as classes, and will make it possible to attend remotely.

Project Description:

Since the establishment of PPS in 1981, City College students have been admitted to some of the finest medical and dental schools in the country, including Columbia, Cornell, Harvard, Albert Einstein, SUNY Upstate, SUNY Downstate, SUNY Stony Brook, Drexel, the Icahn School of Medicine at Mount Sinai, Cornell University College of Veterinary Medicine, Columbia University College of Dental Medicine and many, many more. Between 68-73% of all students who apply to professional programs successfully gain admission to one or more schools.

Yet until recently, PPS did not have a suitable meeting room of its own where guest speakers could give presentations to students and PPS staff could run workshops about MCAT preparation, or volunteer and research opportunities. This situation was finally remedied when PPS offices were moved in 2022 from the 1st floor of Marshak (Plaza level) to the 12th floor and

an old, unused chemistry facility was converted into a brand-new seminar/lecture facility. Extensive renovations are still underway and are expected to be completed by this Summer 2023. The budget allocated to this project did not however enable the PPS program to purchase the necessary A/V equipment to make the room a smart classroom. Hence this request to purchase a large touchscreen display that will be connected to a Kramer VIA system so that both speakers and attendees can remotely participate in all events taking place in the room.

2023 - 2024 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 23(2023 - 2024)
AV Equipment /Projection Devices		
Kramer VIA Connect2 -presentation	1	\$ 868
Panasonic TH-75CQE1W CQE1 Series 75" LCD display	1	\$ 1,894
Panasonic TH-75BQ1W 75" Class LCD display	1	\$ 8,296
Sub-total		\$11,058
Miscellaneous/ Accessories or Supplies		
C2G 15ft Performance Pre. High-Speed HDMI cable	1	\$ 23
C2G 6ft Ultra High Speed HDMI 2.1 Cable with Ethernet	1	\$ 24
Belkin 6 Outlet Surge Protector, rotating, 8ft,\$17	2	\$ 34
Startech 4 Port HDMI Splitter - 4K 69Hz	1	\$ 61
StarTech.com 30ft 10m Active High-Speed Long HDMI 2.0 Cab.	1	\$ 63
Transcend JetFlash 590 USB 16 GB \$6.30	10	\$ 63
StarTech.com 98ft 30m Active HDMI Cable, \$96	1	\$ 96
ViewSonic -stylus, \$22	5	\$110
Peerless Universal Tilt Wall Mount ST680P, \$162	2	\$324
Sub-total		\$798
Total		\$11,856

10. School of Education (SoE)- Classroom Displays Upgrade

A. Please select one Category: 1. N (New Project)

B. Please select one - Who proposed: Staff

Person Responsible for Project(s): Dr. Leonard C. Lewis
Telephone Number: (212) 650-7801
Email: llewis@ccny.cuny.edu

8=H Upgrading instructional spaces to **support technology-assisted learning**

Department(s)/division Affected: School of Education.

How your proposal will impact Students:

As a center for teacher preparation, New York State is uniquely progressive and rigorous in the requirements new teachers must meet to achieve licensure as K-12 teachers. These include the demands that new teachers be prepared to use technology effectively in the classroom. All teacher certification applicants must demonstrate proficiency in using technology to document and analyze their own performance in the classroom. Teacher preparation candidates must demonstrate, through computer-based assessment, their skills in their content knowledge (in revised content examinations specific to their subject area) and their general pedagogical knowledge about student needs. Accreditation standards (through the Association for Advancing Quality in Educator Preparation - AAQEP) also demand that candidates use classroom technology effectively to stimulate students and accommodate different learning styles of the K-12 students they will encounter.

The School of Education has a proud history of leading the way in using technology in the classroom and preparing our students to use these tools effectively in the classrooms in which they are employed, and we were an early adopter of interactive display technology. We must ensure students have the technology and tools they need to be successful as teachers. It is imperative that we continue to refresh the display technology that is used by all our 1,250 (361 undergraduate, 889 graduate) students preparing for teacher certification. Interactive displays are used not only for interactive presentations in classes but to provide the hands-on experience candidates need to understand how these tools can best be used in the K-12 classrooms they are already encountering in their field experiences and student teaching. Using outdated technology actively disadvantages our students and the hundreds of urban schoolchildren they are already instructing and will educate in the years to come. At this point, knowing how to effectively use technology (e.g. interactive displays, PCs, Macs, iPads, scanners, video recording equipment) in the classroom and online is a hiring criterion for schools.

Unlike other divisions, we are required to respond immediately to Regent's regulations that often give us no more than 6 months' notice on a change in teacher certification. That responsiveness is because

Schools of Education are so clearly linked to a profession that is in the public service, but it puts us on a much more aggressive timeframe with respect to meeting these demands than it is the case in other divisions that are largely governed only by faculty dictates. It is important that we have assistance from the Tech Fee in meeting the technology demands, especially since our undergraduate and graduate students generate substantial dollars for the Tech Fee fund.

Project Description:

We ask for funds to replace two (2) Smartboards which need upgrading. This system upgrade will help to ensure our faculty is equipped with improved technology so that our students can benefit from the advanced features of smart technologies. The boards are in rooms (6/207C, 3/214) that accommodate class seminars and meetings.

2023 - 2024 Fiscal Year Budget

Items	Qty	Cost
Hardware		Year 23(2023 - 2024)
AV Equipment /Projection Devices		
SMART Board 6000S Pro Series 65", \$5,999 each	2	\$11,998
Miscellaneous		
Supplies or Accessories		
Chief Large Fusion Micro-Adjustable Wall Mount (\$259)	2	\$ 518
Shipping cost for SMART Boards (\$350)	2	\$ 700
Sub-total		\$ 1,218
Total		\$13,216

11.CWE Library and Corridor Student Areas Hardware Upgrade

A. Please select one Category: 1 – New

B. Who Proposed: Faculty and Staff

Person Responsible for Project(s): Elizabeth Matthews
Telephone Number: 212-203-8429
E-Mail: ematthews@ccny.cuny.edu

3=C Implementing or upgrading **Student-servicing** Computer Labs

Department(s)/division Affected: Students at IAS/CWE

How your proposal will impact Students:

CWE serves 500 students per semester. Our students are predominantly non-traditional age and full-time employed. Presently, CWE offers undergraduate degrees in Early Childhood Education, BA in Interdisciplinary Studies and a MA in the Study of the Americas. Approximately 25-30% of our courses are held online asynchronously to accommodate our unique student body. As such, the availability of reliable and robust technology is essential so that students can complete assignments, conduct their research and obtain their degrees. For 2023-2024, CWE is requesting funds for three separate hardware projects. The first project involves the replacement of outdated iMac computers in our library and corridor student study area. Students rely heavily on these computers to complete their coursework. Librarians also use both the corridor area computers and library computers to assist students with CCNY library database searches.

The second project involves adding tabletop phone chargers. Often students take classes on campus after work and find that their device batteries are depleted. This presents a learning and safety challenge—students often need their devices in class for coursework.

Project Description:

Students utilize the CWE library and corridor student area to complete course-related projects, conduct research and obtain assistance from tech and library staff. At this time, CWE needs to replace several outdated iMacs acquired in 2013 that no longer allow for software updates or new hardware installations. This most recent OS version these systems can install is no longer supported by the Apple Care warranty and the computers lack the needed security software and MS Office updates. We are requesting eight (8) new iMacs so that students can continue to study in the lab and library.

This project will enable our working students, many of whom attend classes in person at night, to recharge their phones. CWE offers several in-person and Hyflex courses each term. Often students use their phones during these classes to access videos, audio files, and websites related to a particular class topic. This heavy cell phone usage during class hours, can result in students commuting home late in the

evening with a battery-depleted device. Offering access to these tabletop chargers will enable students to complete assignments during class and ensure they have sufficient battery for their travel home. Additionally, the tabletop phone chargers serve an academic purpose as well, since students in many of the Hyflex and in-person courses are using their personal devices to communicate with offsite students, work in break-out groups and complete assignments. Courses currently running in the fall 2023 term that utilize break-out groups or use a HyFlex format include:

Early Development Childhood Education; Development, Assessment, Teaching and Learning; Language Development and Emergent Literacy; Social Studies in ECE (Early Childhood Education); Student Teaching & Integrative Seminar in ECE; Science Methods in ECE, Facilitating Children’s Musical Development, and IAS (Issues for Adults with Developmental Disabilities).

2023 - 2024 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 23 (2023 - 2024)
24" iMac, M1(8 Core),8GB RAM,256 SSD + Apple Care \$ 1,519	8	\$12,152
Miscellaneous		
Apple USB-C to USB Adapter, \$17.5	16	\$ 280
Kiwkbost Tabletop Phone Chargers, \$208	7	\$1,456
Sub-total		\$1,736
Total		\$13,888

12. Gaming Lab Equipment Expansion - Room MR 044 Lab

A. Please select one Category: **1 – New**

B. Who Proposed: **Faculty**

Person Responsible for Project(s): Prof. Nick Fortugno
Telephone Number: 212- 650-7947
E-Mail: nfortugno@ccny.cuny.edu

1=A Implementing or upgrading **of instructional** computer labs

Department(s)/division Affected: The Gaming Pathways program and students interested in game development, approximately 100 students across campus.

How your proposal will impact Students:

Class size for Gaming Lab programming classes is limited to 20 students, which may be expanded as interest in the popular curriculum increases. Currently, the lab (located in Marshak 044) only has 16 computers which are not sufficient to allow all students registered for the class to concurrently use them. This proposal will allow a full class of students to participate more completely in game development classes both by providing additional computers and peripherals and by better organizing the game lab space.

Project Description:

This proposal is to expand the capacity of the existing Gaming Lab space in Marshak 044 in three ways. Currently, the lab is operational with 16 state-of-the-art computers and some ad hoc storage solutions used for analog game development. However, with class enrollment allowing 20+ students, there is an insufficient number of computers compelling some students to use laptops and other supplemental equipment that are inadequate for developmental and instructional purposes.

Therefore, I am requesting that we purchase four (4) additional specialized computers and monitors to enable a full class of 20 students to use them concurrently. We are also requesting to purchase three (3) simple organizing cabinets that will allow us to keep the room in order and make it more efficient for the ~100 students doing game design in that lab regularly. All of this is in preparation for a potentially larger incoming class in the fall where a soon-to-be-hired Computer Lab Technician will be managing the lab and keeping it open as a student workspace between scheduled class times. Please note that the approval of any portion of this equipment would help make Marshak 044 a better working space improving the educational experience of our students and increasing the popularity of the program.

2023 - 2024 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 23(2023 - 2024)
Alienware Aurora R13 - Dell 12th Gen Intel(R) Core (TM) i9-12900F processor (16-Core), NVIDIA(R) GeForce RTX(TM) 3060 12GB, 32 GB RAM, 1TB SSD + support \$3,306 each	4	\$13,222
Sub-total		\$13,222
Miscellaneous: Supplies/Accessories		
Organizing Cabinets: \$40 each	3	\$ 120
Dell Monitors G2723HN \$242 each	8	\$ 1,936
Sub-total		\$ 2,056
Total		\$15,278

13. Digital Output Center and EDM Lab Peripheral Upgrades

A. Please select one Category: 1 – New

B. Who Proposed: Staff

Person Responsible for Project(s): Art Jones
Telephone Number: 212- 650-7095
E-Mail: ajones1@ccny.cuny.edu

1=A Implementing or upgrading **of instructional** computer labs

Department(s)/division Affected:

The Department of Art's Electronic Design & Multimedia program serves over 600 students in the major. Of these, 375 are either in the BFA in Electronic Design and Multimedia or the BA/Digital Design Concentration + CUNY BA + minors in Art. In addition, many Studio Art majors, Art minors, MCA students, CUNY BA students, and students from Computer Science and Architecture take EDM courses—and with emerging career tracks in UX/UI design and Animation, EDM is likely to see more interdisciplinary crossover across the campus. We've also had many double majors in the program, combining Biology, Computer Science, Music, Advertising and Public Relations and other disciplines. Each academic year, EDM offers 80+ classes (averaging 40 courses each Fall and Spring, plus summer) for roughly 1400 seats per academic year and contained within four classrooms and labs. Our department also offers full-service, large format, archival inkjet printing through the Digital Output Center (DOC) as a service to our students and colleagues across the campus. This lab produces work for over 150 undergraduate and graduate students from across campus each semester. We are proud that the department has continued to meet the needs of students and faculty in our often-over-enrolled courses during the COVID-19 pandemic, particularly as the campus has opened for in-person activity.

How your proposal will impact Students:

EDM finds it to be essential that students in all areas of digital design work on computers with up-to-date processors and peripherals/accessories that can handle modern software apps, as well as very large files and complex operations. Consistency in technology is important across all of our labs to ensure that all of students and faculty are able to function creatively, efficiently, and equally. To meet industry standards, we need to provide a reasonably up-to-date environment that replicates what students would find in a professional work environment. The primary goal of our EDM program is to help students find employment in multimedia design. Most of our students are seeking internships and employment opportunities within the design industry.

Our students receive favorable notice within the design industry based on their competitive portfolios, which they would not be able to build if they were required to work with outdated or failing technology. Current EDM students have held internships at Pixar, Facebook, Google, Nickelodeon, Sci-Fi Channel, AOL.com, HBO, Marvel Comics, OUT/The Advocate, Sports Illustrated, Time, Rolling Stone, and Viacom. Recent EDM alumni are employed at NBC Universal/Peacock, Conde Nast, Fast Company, Discovery Channel, Dow Jones, Penguin Random House, Scholastic, United Nations, The Wall Street Journal, and IDEO. EDM is currently partnering with acclaimed design consultancy

Project Description:

EDM is asking for upgrades and accessories for our teaching labs and classrooms in order to expose and familiarize our students with the industry-standard technologies that they will be expected to use in their careers. Our proposal includes 16 Wacom One combination tablet/monitors for use with multiple sections of our animation (2D and 3D), illustration (foundation and advanced), digital-imaging and Photoshop-focused classes (foundation and advanced), and the creation of professional portfolios (Capstone Portfolio and Thesis). Adding this technology to EDM could immediately impact at least 50% of the classes offered in our EDM program, with room to expand animation special topic course offerings in this fast-growing design track. The 16 Wacom One tablet/monitors will provide us with sufficient tablets to be used during instructional time as well as being available for students to borrow whenever the labs are open. Pen-based drawing tablets are standard tools in various creative industries as their use can help the user become a faster and more fluid creator in the digital space. Increasing their use in the classrooms will expose more of our students to design-industry practices and give them a more rounded introduction to the tools of digital creation. As we plan to improve our equipment loan program, we believe that having new, industry-standard tablets will be a first step toward encouraging students to use the best that the EDM lab has to offer. Our current tablets were purchased in 2015, and since upgrading our classrooms with new computers are showing their advanced age in terms of slow response and intermittent functionality. This has resulted in regular slowdowns in our animation and design classes.

In addition, EDM is asking for upgrades to the DOC. The Digital Output Center is a high-quality inkjet print lab which EDM oversees for the printing of graphic design work, and photography as well as the completion of undergraduate EDM students' Senior Thesis Capstone projects and DIAP graduate students' large-format printing needs. The DOC services the needs not only of students taking classes in the art department but the greater City College community by providing high-quality, low-cost printing of posters and other ephemera. The DOC's current Mac computers, which we received in 2018 have reached end-of-life support and will no longer receive critical OS updates, which among other things will severely limit the creative software able to be used on them and represent a security risk. This has already caused there to be a software mismatch between our teaching classrooms and the DOC. Additionally, Apple has changed the way that it handles color accurate printing, removing many of the tools and workflows that allow for consistent color accurate printing which further necessitates their replacement with Windows-based systems. Due to these reasons and our

observations over the last several years, we have noticed that Apple-based systems have significantly shorter useful lives than their Windows counterparts. Through the combined use of forced software updates to retain access to Adobe software and short security update timelines we have concluded that Apple is contributing to the growing trend of “Manufactured E-Waste” with their products. Being a technology-focused major, EDM is very concerned about the impact of labs on the environment. The use of Windows-based tower computers will allow for several ecological improvements. First, the service life of most Windows-based machines is double that of equivalent Apple-based machines, leading to the creation of less e-waste in the first place. Additionally, by using standard-size Windows towers, that use standard-size components, we will be able to upgrade the machines down the line to further their useful working lives and further reduce e-waste and our impact on the environment.

2023 - 2024 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 23 (2023 - 2024)
Dell Precision 5820 T, Intel Xeon W-2265, Nvidia T1000 4GB, 32GB DDR4, 1T SSD, 3 yrs ProSupport, \$2,465 each	5	\$12,325
Wacom One-Digitizer, HDMI, USB 2- flint White, \$315 each	16	\$ 5,040
Sub-total		\$17,365
Peripherals		
Eizo ColorEdge CG2420 – LED, IPS Monitor \$1,620		
Sub-total	2	\$3,240
Total		\$20,605

14. Upgrade of Computers in Manufacturing, Materials, and Aero-Thermal-Fluids

Laboratories (ME Dept.)

A. Please select one Category: 1 – New

B. Who Proposed: Faculty

Person Responsible for Project(s): Prof. Peter Ganatos
Telephone Number: 212- 650-5215
E-Mail: ganatos@ccny.cuny.edu

1=A Implementing or upgrading **of instructional** computer labs

Department(s)/division Affected:

Mechanical Engineering and Others Engineering Students

How your proposal will impact Students:

In the past year, the Mechanical Engineering department has made major upgrades to three (3) of its undergraduate instructional laboratories. A Waterjet Cutter, a new CNC machine, and 3D composite printer were purchased for the Manufacturing Laboratory (ST-B38). The lab was expanded to ST-B39 to house this equipment. A new Instron testing machine was purchased for the Materials Laboratory (ST-B64) and an upgrade of the wind tunnel was made in the Aero-Thermal-Fluids Laboratory (ST-B35). These laboratories are used for instruction of the lab portion of three required courses in the Mechanical Engineering Curriculum, ME 43600 – Aero-Thermal-Fluids Laboratory, ME 46100 – Engineering Materials, and ME 46200 - Manufacturing Processes and Materials. Enrollment data for these courses in the 2022 – 2023 academic year is shown in the table below, course with asterisk (*) includes the Summer 2022 session.

Course	Number of Sections	Total Enrollment
ME 43600	5*	101*
ME 46100	6	82
ME 46200	6	94

Students also use these laboratories for projects in various other courses in the curriculum, such as Senior Design, adding to the number of students impacted. These laboratories contain dedicated computers used for acquisition and analysis of data from experiments and specialized equipment. Each week, students perform hands-on experiments using this equipment under the supervision of

laboratory instructors. There are nine (9) desktop computers in these laboratories ranging in age from 13 to 17 years old which need to be replaced in support of the new equipment.

Project Description:

Funds are being requested to replace nine (9) obsolete desktop computers in these laboratories with newer models Dell Precision 3660.

2023 - 2024 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 23(2023 - 2024)
Dell Precision 3660 Tower 13th Generation Intel® Core™ i7-13700 32GB, NVIDIA® RTX™ A2000, 12 GB, 512 SSD +Extended warranties, (\$2,309 each)	9	\$20,871
Sub-total		\$20,871
Networking		
Switches Allied Telesyn AT-GS910/8-10 ethernet switch (\$130 each)	3	\$ 390
Wiring 1000 ft spool CAT 6 Ethernet cable – stranded, gray	1	\$ 375
Sub-total		\$ 765
Miscellaneous		
Dell P2422H monitor (\$230 each)	9	
Sub-total		\$ 2,070
Total		\$23,706

15. Large Format Plotters for Studio Labs

A. Please select one Category: 1 – New

B. Who Proposed: Staff

Person Responsible for Project(s): Muhammad Ahmad
Telephone Number: 212- 650-8819
E-Mail: mahmad@ccny.cuny.edu

3=C Implementing or upgrading Student-servicing Computer Labs

Department(s)/division Affected:

Spitzer School of Architecture (470+ students) & other programs such as Science, Engineering, Colin Powell, and student clubs – NOMAS, AIAS, GARC, Engineers without Borders.

How your proposal will impact Students:

The Spitzer School of Architecture (SSA) enrolls at least 470 students – 330 undergraduates and 140 graduates – most of whom are full-time and enrolled in required design courses. The Spitzer School of Architecture prides itself as being the first public school for architecture in New York City. With this pride there is an inherent sense of responsibility to provide our students with a world class education and facilities to train them for the rigors of the real world. In order for students to be prepared, they need to be armed with the latest technology and tools to succeed in their classes and beyond. Unlike a majority of City College students, SSA students pay not only a tech fee but also a materials fee every semester.

There are 3 (three) large format plotters in the CADLAB to service over 470 students. That is not enough. SSA students pay per print job while printing in the CADLAB. These prices are generally higher than the Tech Center. For their presentations and reviews, SSA students print from 36" large format plotters with costs as high as \$18 for a 36" x72" print job. Printing from FedEx or Staples is exponentially higher. During reviews, midterms, and finals student storm the CADLAB in waves, overwhelming computers and plotters. There are lines of students that go outside the CADLAB because everyone is waiting in line to print from three (3) obsolete plotters that are over six (6) years old. A plotter going down for maintenance during this peak time can wreak havoc. Students may end up being late to their reviews and presentations because the plotters are constantly in use. Therefore, adding three (3) additional large format plotters that will be accessible to students after the CADLAB closes should lessen the burden on the CADLAB and alleviate student stress of last-minute printing needs.

Project Description:

There are currently three (3) obsolete 36” HP plotters in the Studio Labs. These seven (7) year old plotters are out of warranty and used heavily by over 470 students. These plotters are not capable of keeping up with the printing demands of today’s architecture or engineering students. Even if one plotter is out of service for maintenance, it will be catastrophic for students who desperately need to print their projects for pin-ups. SSA is planning to open a plotter room for 24-hour student printing. We will need to purchase three (3) new plotters to replace these old ones in order to reliably support the demands of students who need to print their work around the clock. These plotters will also help lessen the burden placed on the CADLab during normal business hours.

Since this room will be open after business hours with no supervision, a surveillance camera will be necessary to ensure that no one damages the equipment. Currently, there is nowhere else on-campus students can go to print high-quality large-format designs.

2023 - 2024 Fiscal Year Budget:

Items	Qty	Cost
		Year 23(2023 - 2024)
Peripherals		
36” HP DesignJet 1600dr Postscript-large format printer -color included HP Care Pack, \$8,148	3	
Total		\$24,444

16. Data mapping in the field: Equipment for interdisciplinary coursework and research projects

A. Please select one Category: 1 – New

B. Who Proposed: Students & Faculty

Person Responsible for Project(s): Prof. Katherine K. Chen
Telephone Number: 212- 650-5850
E-Mail: kchen@ccny.cuny.edu

10=J Expand **student access to** current and emerging technology

College Departments Affected: Sociology, Colin Powell School.

This proposal is to purchase technology equipment for use by student researchers in the Dept. of Sociology for one (1) class instruction and two (2) faculty-student research projects. As the dept. chair, I have received requests from instructors seeking equipment to collect data in their classes; I am also leading an initiative to develop a Data Justice and Equity focus that promotes citizen-based approaches to data collection and use and have been experimenting with possible curriculums in existing classes. Sociology supports, on average, approximately 250 majors and minors. Sociology faculty teach a general education course (Introduction to Sociology), research methods course, and elective courses (i.e., SOC 31161 Sociology of Consumer Behavior, SOC 31182 / ECO 31182 Data Justice & Algorithmic Accountability, SOC 31920 Science, Technology, and Society, SOC 378/BIO 378 Science of Sex and Gender, SSC31150 Environmental Sustainability and Social Justice) that also serve undergraduates from other departments, particularly psychology which has 2,000 majors and minors, and all other divisions, including students wanting to fulfill pre-med requirements.

I have also been working with four undergraduate researchers (Cheyenne Osondu, Sajeda Suleman, Kaitlynn Guzman, and Nusrat Ali) to pilot community-based research as part of an inter-disciplinary, college-wide Research Vision project "Energizing Equity: Co-creating Scalable Urban Resilience through Climate Solidarity team led by Prof. Yana Kucheva. These undergraduate researchers have applied for ORCA funding that does not cover their needed equipment costs. In addition, we will also be working with undergraduate architecture students, should the license for software mapping be available.

How your proposal will impact Students:

During the pandemic, some students were able to purchase equipment (personal laptops or tablets) for their personal use. However, as department chair, I have fielded requests from both instructors and students requesting Internet-enabled devices that could be used for course and student projects. Therefore, this proposal requests the purchase of enough equipment to support a class and student projects.

Project Description:

Our research requires the ability to record and share data for collaboration and analysis. To undertake research, students need to be able to take, illustrate, and type up field notes while in the field. When they are working in teams documenting environments, they need to collaborate on shared documents in real-time, which requires access to Internet. If students are administering surveys to respondents, they need Internet-enabled devices to connect with Qualtrics, google surveys, etc. They also need a way to informally share results with their communities, who may not be able to attend a special meeting and to encourage respondents to participate.

Examples of course and student projects:

1. Documenting senior-supporting and senior-friendly organizations (accessible entrances, benches, public restrooms, etc.)
2. Documenting the impact of infrastructural changes, such as temporary path and park closures for climate sustainability
3. Modelling climate change for climate justice and sustainability projects – flood-prone zones

2023 - 2024 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 23(2023 - 2024)
Ipad air at \$599 + Apple Care (\$79) = \$678	25	\$16,950
Sub-total		\$16,950
Miscellaneous		
Stylus at \$129	25	\$3,225
Smart Keyboard Folio at \$179	25	\$4,475
Sub-total		\$7,700
Total		\$24,650

17. Visual Media Lab and Classrooms Technology Upgrades MCA Dept.

A. Please select one Category: 1 – New

B. Who Proposed: Faculty

Person Responsible for Project(s): Prof. Manal Abu-Shaheen
Telephone Number: 212- 650-7175
E-Mail: mabushaheen@ccny.cuny.edu

1=A Implementing or upgrading **of instructional** computer labs

College Departments Affected:

Art Department and Non-Major students from departments throughout CCNY

How your proposal will impact Students:

In 2018, we finished construction and officially opened the Visual Media Lab, the newest facility in the Art Department. The Visual Media Lab provides services to the entire Art Department, which includes approximately 800 undergraduates, graduates, and faculty across all Art department areas: Art History, Photography, Painting and Drawing, Printmaking, Ceramics, Art Education, Electronic Design and Multimedia (EDM), Studio MFA, and Digital and Interdisciplinary Art Practice (DIAP) MFA. The facility offers students and faculty the specialized digital equipment and resources required for artmaking and for historians and educators of visual art. The Visual Media Lab is a flexible space that is reserved by faculty for classes requiring digital workstations or projectors. When it is not reserved for classes, it is an open lab space for Art Department students and faculty. The Visual Media Lab is a busy space available during the day and evenings to serve our students. Typical hours range from 9 AM to 9 PM, five days a week serving hundreds of students per week. The lab is an important space for our students who do not have access to the most up-to-date, fast computers at home that can run the software necessary for creating their artwork for classes. The Visual Media Lab staff provides orientations and tutorials for using the equipment and software including 18 desktop and laptop workstations for visual art specialized software, a Hasselblad Flextight X1 scanner, 4 flatbed Epson V850 Pro scanners, a large format Epson Expression 10000XL Graphic Arts scanner, various projectors, Adobe CC applications and scanning software (Silverfast, VueScan, Epson Scan). A core mission of the Visual Media Lab is sharing skills with students and faculty by running tutorials and workshops and providing day-to-day instruction to lab users.

Since the Visual Media Lab opened in 2018, we have not had upgrades to equipment. We have three projectors that need to be upgraded. Our goal is to transition from lamp projectors to laser-based projection which offers longer-lasting brightness, lower maintenance, and improved color and contrast over similar lamp-based models. Laser projectors will also be more cost-effective and more environmentally sustainable as they do not contain mercury. They help save energy

and extra cost since there is no need for constant lamp replacement. Moreover, as warmup/cooling time is not required for the laser projectors, it also saves time during use, which will make classes run more efficiently. In addition to running the day-to-day operations of the Visual Media Lab, the lab CLT and support staff oversee the use of equipment in various Art Department classrooms, especially the Art History lecture classrooms, large spaces that serve over 200 students. The VML staff install new technology in Art Department classrooms and faculty offices, provide services for Art Department faculty using visual materials of all kinds, and advise on technology integration to enhance teaching and learning experience. One of our Art History classrooms is in critical need of an upgrade to make it technology ready. The electronic blackout shades that are over 20 years old are broken beyond repair. They are stuck and cannot be controlled by the switches. Functional blackout shades are critical for Art History lectures that need dark classroom conditions to accurately translate the images and colors in projected lectures. In this proposal we are requesting funds to install new manual blackout shades to rectify the current situation. In Art Department classrooms we often rely on older equipment, mainly computers, that are donated between areas. Much of these computers are now over a decade old, obsolete, and unable to handle running the newer powerful operating systems. Using this outdated equipment is disruptive to classes. Classrooms that currently require new computers include Art History, Art Education, Ceramics, Painting and Drawing, and Printmaking. Various programs, including Printmaking, require students to use specialized software on the classroom lab computers. Currently, in the Printmaking classroom there is one computer that no longer turns on and one that is over a decade old that cannot run the necessary software. In this proposal we are requesting funds to upgrade computers in classrooms with open labs to serve the students in those programs.

We are requesting funds for equipment that will give all students and faculty using the Visual Media Lab and Art Department classrooms hands-on experience using the industry standard equipment. This experience is critical for students for their post-graduate readiness for graduate school and careers in their fields. We are requesting three (3) projectors, three (3) blackout shades, and nine (9) computers, technology we need to share with our students, but lack funding to acquire otherwise.

This project aims to:

- Provide access to new/recent technologies and equipment necessary for art department courses.
- Transition to more sustainable laser projector technology, which reduces mercury pollution and waste from constant lamp replacements.
- Complete classroom upgrades through the purchase and installation of manual blackout shades in one Art History classroom.

Project Description:

We are proposing to update obsolete and outdated equipment with industry-standard projectors in the Visual Media Lab, and computers and blackout shades in Art Department classrooms for student and faculty use. We aim to supply our instructors and students with new computers and projectors to give our students experience with the most up-to-date industry-standard workflows and devices to establish their post-graduate readiness for graduate school and careers in their fields. This initiative will positively impact student and faculty experience in the Visual Media Lab and in classrooms across various Art Department areas.

2023 - 2024 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 23(2023 - 2024)
24-inch iMac M1 chip, with 8-core CPU, 16GB memory, 1TB SSD storage + Extended Apple Care 4yrs, \$2,062 each	9	\$18,558
Sub-total		\$18,558
AV Equipment /Projection Devices		
Epson PowerLite L635SU 6000-Lumen WUXGA Short-Throw Laser 3LCD Projector (Black) MFR #V11HA29120 @\$4,200 each	3	\$12,600
Sub-total		\$12,600
Miscellaneous		
Supplies or Accessories		
Apple USB-C to USB type A adapters @ \$20 each	9	\$ 180
Apple USB-C Digital AV Multiport Adapter @ \$70 each	9	\$ 630
Blackout shades Sheerweave #7100 Clutch Roller Shades with spring assist, color Charcoal @ \$2,000 each	3	\$6,000
Sub-total		\$6,810
Total		\$37,968

18. Student Technology Internship Program (STIP)

A. Please select one Category: 2 – Continuing

B. Who Proposed: Staff

Person Responsible for Project: Otto Marte, Sr. Director of OIT Business Services
Telephone Number: 212-650-6190
Email: marte@ccny.cuny.edu

7=G Personnel for Installation and maintenance of computer services

College Departments Affected: Entire College

I request funds to continue implementing the FY 2024 Student Technology Internship Program. The total funding requested is \$1,361,842, including 14 percent for fringe benefits. Below is a brief description of the program.

Project Description:

The Student Technology Internship Program (STIP) was created in the summer of 2002 to provide IT support, general student computer lab support, and other technical assistance services throughout the college to hundreds of faculty and students daily. This program creates opportunities for a select group of undergraduate and graduate students to gain advanced skills in the use of computer hardware and software as well as learn effective teaching and client support skills. STIP supports and advances the technological needs of the college, both in and out of the classroom. By bringing the interns and technology users together as a team, we provide diverse skills and services to create a better teaching and learning environment at the College.

Below are the five major components of the Student Technology Internship Program (STIP) and the requested funding:

Student Tech Interns Program	No. of Staff	Percentage	Total Cost/yr.
1. Academic Technology Services (ATS) - Classroom Support	2	5	\$ 54,541
2. iMedia Reservation Desk	5	13	\$ 149,353
3. Service Desk (Tier 1)	5	19	\$ 223,801
4. College Wide & Divisional Computer Labs Support	19	32	\$ 377,180
5. College Wide & Divisional Client Services Support	12	33	\$ 389,723
Sub-total	43	100	\$ 1,194,598
Fringe Benefits		14%	\$ 167,244
Grand Total			\$1, 361,842

1. Academic Technology Services (ATS) Classroom Support

ATS is responsible for the design and implementation of the audio-visual (AV) equipment deployed in traditional smart classrooms, lecture halls, conference rooms, and auditoriums, and outdoor spaces. They also oversee the campus-wide Digital Signage system and provide guidance to faculty and administrators on best practices for designing and implementing instructional AV technology.

2. iMedia Reservation Desk

The Reservation Desk provides audiovisual (AV) resources and services in support of academic instruction, scholarly communications, and other activities consistent with CCNY's mission. They manage the student and faculty Laptop Loaner Programs. They are also responsible for supporting and administering the video conferencing services, the Zoom teleconferencing platform, classroom AV technology services, audiovisual resources for loaning equipment, AV cables, and VIA Wireless Presentation devices. They collaborate with other OIT units to test and document remote learning and telecommuting technology, including consolidating and enhancing the availability of training support materials for CUNY/CCNY portals (Zoom and CUNY Device Loaner Portal)

3. OIT Service Desk

The OIT Service Desk was revamped in the summer of 2011. This one-stop-shop for IT solutions has given the CCNY community a convenient way of addressing the diverse needs of students, faculty, and staff and a more efficient way of addressing the College's technology needs, particularly for students. It serves as the primary point of contact for students, faculty, and staff seeking help in IT services and equipment (e.g., laptops, mobile devices, software, hardware, and operating systems) that CCNY's Office of Information Technology provides. The Service Desk staff ensures that all possible measures are taken to troubleshoot and resolve any issues. It also acts as the central distribution point for campus-wide site-licensed software to the college community.

The Service Desk also provides technical support in the following areas:

- Provide tier I technical support over the phone, email and Zoom
- Screen, prioritize, and escalate Service Desk IT incidents and requests to the appropriate IT team
- Assist with the download and installation of CUNY applications
- Assist students in resolving basic CUNYfirst, CUNY Portal, and Blackboard issues
- Configure email on the end user's mobile/smart devices (i.e., phone, tablets, laptops)
- Provide Email support - Level I and some Level II

- Create support documentation for problem resolution & instructional materials for users.

4. College Wide and School/Division Student Computer Labs Support

OIT employs teams of professional staff and student interns to service the general use student computer labs on campus. The program trains student interns to acquire skills in deploying and maintaining computer hardware, software, audiovisual equipment, presentation resources, and desktop support skills. Along with technical skills, the training emphasizes proactive customer service.

The OIT computer lab support staff maintains two large general computer labs, (1) The North Academic Center Fishbowl General Student Lab (NAC 1/501), which provides 102 PCs computers, and (2) The CITY Tech Center (NAC 1/301), City College's state-of-the-art computing, learning and training resource center, located on the ground floor of the Cohen Library. Re-designed to accommodate student learning in a variety of stimulating configurations, it provides the following services:

- Over 300 workstations
- Two state-of-the-art Active Learning Classrooms (ALCs)
- 10 media study rooms with flat-panel displays that accommodate up to six students each
- 16 two-person study rooms equipped with Windows and Macintosh desktop workstations
- Three (3) smart classrooms with dozens of workstations, high-definition projectors and, in the largest classroom, a podium with AV controls and mobile device connections
- Dozens of single-use desktop and wireless workstations in the open bays
- Laptop loans for students to use while using or taking classes in the (ALCs).

Each workstation is configured with the College's full range of campus-wide, site-licensed software, including Adobe Creative Suite, MathWorks, Matlab, Microsoft Office Suite, SAS, and SPSS. The spatial configurations are as necessary as the technological enhancements because they accommodate students who choose to work individually and provide incentives for student collaboration.

At any given moment, the three (3) smart classrooms are filled with students engaged in technology-enhanced learning supporting a wide-range of instruction of Economics, Engineering, Psychology, and English. This highly successful facility has become the premier hub for student computing needs and a general-purpose learning resource center for the entire City College population. Hundreds of students occupy every available workstation and study space, engrossed in coursework to research to recreational breaks.

Divisional OIT staff help to support the computing and printing needs of special programs, including the Education lab (NAC 4/226), Engineering CAD lab (ST-216), Electrical Engineering lab (ST-269), Science Student lab (MR-829), Accessibility Student lab (NAC 1/216), Architecture

CAD lab, (SSA- 3rd floor), both Science and Music Libraries labs, and both graduate and undergraduate Student Government labs. These labs are open during the college hours of operation.

5. OIT and School/Division Client Services Support

Where technical matters are beyond the purview of the OIT Service Desk, they are often escalated to Client Services School/Division support teams. These IT support analysts provide Tier 2 and 3 hardware and software technical support and other technical assistance to college administrators, faculty, staff, and students. These staff are assigned to the all of our academic divisions as well as administrative offices throughout the college. Our professional IT staff works continuously to ensure that our services are delivered in a manner is both of high quality and customer-friendly. They deploy and maintain computer hardware, software, and peripheral devices (i.e. printers, scanners, displays, etc.). Furthermore, they provide intermediate troubleshooting of networking, telecommunication, and server issues, which may be further escalated to the appropriate IT unit for evaluation and resolution.

Below is the Student Technology Interns Program budget breakdown for FY 2024

Position Title	Pay Rate/Hr	(AL+SL) Hrs/Yr	Total Hrs/Yr	No. of Position(s)	Total Cost/Position	Total Cost
Academic Technology/Classroom Tech Support						
College Assistant	\$15.61	1000	117	1	\$17,436	\$17,436
Hourly IT Support	\$21.30	1560	182	1	\$37,105	\$37,105
				2		\$54,541
Reservation Desk/Academic Tech						
College Assistant	\$15.61	1000	117	3	\$17,436	\$52,308
Hourly IT Support	\$24.08	1560	220	1	\$42,862	\$42,862
Hourly IT Asst. I	\$30.44	1560	220	1	\$54,183	\$54,183
				5		\$149,353
Services Desk						
Hourly IT Support	\$24.08	1560	182	2	\$41,947	\$83,894
Hourly IT Support	\$24.08	1560	220	2	\$42,862	\$85,724
Hourly IT Assit. I	\$30.44	1560	220	1	\$54,183	\$54,183
				5		\$223,801
College-Wide & Divisional Student's Lab Support						
College Assistant	\$15.61	600	70	6	\$10,459	\$62,754
College Assistant	\$15.61	920	107	2	\$16,032	\$32,064
College Assistant	\$15.61	1000	117	6	\$17,436	\$104,616
College Assistant	\$15.61	1000	141	1	\$17,812	\$17,812
Hourly IT Support	\$21.30	1560	182	2	\$37,105	\$74,209
Hourly IT Support	\$24.08	1560	220	2	\$42,862	\$85,725
				19		\$377,180

College-Wide & Divisional Client Services Support							
College Assistant	\$15.61	1000	117	1117	3	\$17,436	\$52,308
College Assistant	\$15.61	1040	147	1187	1	\$18,529	\$18,529
College Assistant	\$18.00	1040	147	1187	2	\$21,366	\$42,732
Hourly IT Support	\$24.08	1560	182	1742	4	\$41,947	\$167,788
Hourly IT Support	\$30.44	1560	220	1780	2	\$54,183	\$108,366
					12		\$389,723
Total Cost							\$1,194,598
Fringe (14%)							\$167,244
Grand Total					43		\$1,361,842

Student Technology Fee Advisory Committee Members

The Technology Fee Advisory Committee is the standing college committee that advises the Office of the President on the expenditures of Tech Fee revenue. The Student Technology Fee Advisory Committee comprises 31 members, chaired by the Provost, Sr. Vice President/COO, and co-chaired by the VP and Chief Information Officer of Information Technology. It includes 17 students from both Undergraduate and Graduate Student Governments, ten (10) undergraduates and seven (7) graduates, five (5) faculty, seven (7) administrative representatives, and two (2) ex-official members.

Committee Chairs – Dr. Tony Liss, Provost and Scott Gurba, Sr. VP/COO **(2)**

Co-Chair – Ken Ihrer, VP & CIO Information Technology **(1)**

Student Representatives (17)

Aila Choudhary, USG VP of Campus Affairs

Alicia Yu, USG Representative

Asif Sattar, President USG

Bragye Payano, UGS Speaker of the Senate

Khizar Imran, USG Senator at-Large

Lina Dong, USG VP of Public Affairs

Louis Olivares, USG Senator at-Large

Maureen Nelson, USG Biomed Senator

Miguel Arias, USG Senator at-Large

Omar Kifaieh, USG CLAS Senator

Autumn Wilson, GSG Delegate

Bianca Jones, GSG Secretary

Gaseemah Rucker, GSG Treasurer

Gina Rodriguez, GSG Office Manager

Kevin Brown, GSG Executive Chair

Qiuying Chen, GSG Delegate

Tinnycua Williams, GSG Vice Chair of Community Affairs

Faculty Representatives (5)

Prof. Mark Smith, Humanities and Arts

Prof. Ilona Kretzschmar, Grove School of Engineering

Prof. Laurent Mars, Division of Science

Prof. Elizabeth Matthews, Center for Worker Education

Prof. Kevin Foster, Colin Powell School

Administrative Representatives (4)

Celia Lloyd, VP of Student Affairs and Enrollment Management

Loren Mendelsohn, Acting Chief of Technical Services

Mohammad Ahmad, School of Architecture

Dr. Leonard Lewis, School of Education

Ex-officio Member (2)

Otto Marte, Tech Fee Administrator and Director of OIT Business Services

Leonardo Leo, Deputy CIO Office of Information Technology (OIT)