



CCNY STUDENT TECHNOLOGY FEE PLAN

FY 2025

By

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Background

In the fall of 2001, CCNY pioneered its Technology Task Force, uniting administrators, faculty, students, and IT professionals. Their mission: harness Student Technology Fee funds to revolutionize campus technology. This diverse team crafted visionary recommendations that continue to shape CCNY's digital landscape.

Today, their legacy thrives in the Technology Fee Committee. This dynamic group translates the Task Force's innovative ideas into actionable annual plans, strategically investing Tech Fee funds to keep CCNY at the forefront of educational technology. View our latest 2024-2025 Technology Fee Plan at ccny.cuny.edu/techfee to see how your contributions transform CCNY's tech infrastructure.

Introduction

The Technology Fee Committee has established two foundational principles to guide our investments:

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.

From these principles, we've crafted four transformative goals:

Goal 1: Increase the number of students who can 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 the City College libraries make available electronically.

This strategic investment meets today's needs and prepares CCNY students for tomorrow's tech-driven world. Through these goals, we're not just upgrading technology but elevating education.

FY 2024-2025 Proposed Activities and Budgetary Allocations

The Technology Fee Committee has strategically allocated \$3,764,868 for the upcoming academic year across 28 high-impact initiatives. Our selection process is focused on projects that:

1. Maximize Cross-Campus Impact Initiatives that benefit the widest array of students across all schools and divisions.
2. Elevate e-learning Access Programs that enhance digital education platforms, making higher education more accessible.
3. Foster Career Readiness Tools that equip students with cutting-edge skills, setting them up for post-graduate success.
4. Technologies that significantly reduce CCNY's carbon footprint

The 2024-2025 Tech Fee Plan is as follows:

Project Title	Cost
1. Library Digital Subscriptions	\$240,643
2. CCNY University Wide Tech Fee Investment Program (UWTFIP)	\$248,000
3. OIT- Maintenance Costs	\$362,000
4. University-Wide Initiatives (UWI)	\$798,459
5. Data Mapping Storage Technology Equipment	\$1,805
6. iPads for Course Instruction	\$3,249
7. CWE Auditorium's Projector Upgrade	\$3,505
8. Sculpture Area Technology Upgrade	\$5,454
9. Music Student Study Center Tech. Upgrade, Room SH 77	\$6,661
10. EDM Instructional Computer Labs Projector Upgrade	\$11,193
11. SoE Multimedia Center Artificial Intelligence, Virtual & Augmented Reality	\$11,856
12. Bio Unlocking Potential Embracing Virtual Learning	\$12,931
13. SoE Multimedia Center Lab Desktop Upgrade	\$13,319
14. Tech Upgrade for CMLL, History, Philosophy, and Humanities and the Art Advising's Office	\$15,351
15. Launch and Implementation of Bloomberg Terminals Lab at CCNY	\$15,423
16. Cohen Main Student Library Desktop Upgrade	\$15,860
17. SoE Smart-Classroom Desktop Upgrade	\$15,873
18. SSA, Audio Visual Upgrade Rooms 107 & 128	\$21,536
19. CWE Student Laptop Loan Program Upgrade & Expansion	\$21,605
20. SoE Learning & Technology Resource Center Desktop Upgrade	\$21,624
21. MCA Computer Teaching Lab Upgrade, Room SH 461	\$28,556
22. A New Co-Lab Makerspace for EDM's Students, Room CG 118	\$31,845
23. The Artino Teaching and Computational Math Computers Upgrade	\$32,850
24. Photography Technology Upgrade	\$34,179

25. Introducing Bioassay Technique using Microplate Reader into Biology Curriculum	\$40,119
26. Creation of a 2nd Gaming Pathway Lab	\$56,700
27. Writing Center Technology Upgrade	\$73,332
28. Student Technology Internship Program (STIP)	\$1,620,940
Total	\$3,764,868

Fiscal Year 2023-2024 Key Achievements:

Since its inception in 2001, the City College Technology Fee Advisory Committee has been a powerful force of digital transformation, strategically guiding our students' acquisition, deployment, and maintenance of cutting-edge technology.

Our 2024-Year Impact:

- Modernized student computer labs
- Upgraded smart classrooms
- Renewed critical software licenses
- Expanded robust network infrastructure
- Secured University-Wide Initiative (UWI) funding
- Enhanced library digital resources
- Supported innovative, student-centric projects

By investing Tech Fee funds, The Advisory Committee members have consistently elevated CCNY's technological landscape, ensuring our students have the tools they need to excel in the digital age.

2023 - 2024 Tech Fee Initiatives are listed below:

- University-Wide Initiatives (UWI)
- Library Digital Subscriptions
- CCNY University-Wide Tech Fee Investment Program
- OIT-Maintenance Costs
- Theatre and Speech Space Upgrade
- CCNY Student Laptop Loans Program Expansion
- SoE Learning & Technology Resource Center Learning System Upgrade
- School of Architecture Network Cabling Upgrade for Digital Signature
- Smart Classroom/Seminar Room New AV System for Premed Program
- School of Education Classroom Displays Upgrade
- CWE Library and Corridor Student Areas Hardware Upgrade
- Gaming Lab Equipment Expansion - Room MR 044
- Digital Output Center & Electronic Design Media (EDM) Lab Peripheral Upgrades
- Manufacturing, Materials, and Aero-Thermal-Fluids Laboratories Computer Upgrade
- School of Architecture Large Format Plotters for Studio Labs Upgrade
- Data Mapping in the field Equipment for interdisciplinary coursework and Research

- Computer Teaching Lab Upgrade (MCA), Room SH 462
- Student Technology Internship Program (STIP) – Included fringe benefit.

Using this current year's Tech Fee funding, we were able to fund the following key projects, initiatives, and objectives:

1. Office of Information Technology (OIT)

the OIT division ensured uninterrupted essential technology services for students, enabling their academic success. Key achievements included renewing critical software licenses like Papercut, Digital Signage, Deep Freeze, Symplicity Career Services Management, WebCheckout, SysAid, Qless, Wireless License support, and ENVI+IDL Academic. Additionally, we continue to upgrade and expand our smart classroom infrastructure with the latest Wireless Access Points and VIA Connect Pro wireless presentation devices technology to enhance the learning experience."

2. Library Subscriptions

Ensuring access to the latest academic resources, we have renewed college libraries' digital subscriptions to thousands of digital journals, images, books, and conference proceedings from leading providers like Thomson Reuters Sci, SciFinder, American Chemical Society, and Thieme Package. These invaluable resources empower our students to conduct comprehensive research, substantiate their academic papers, and contribute to the College's mission of fostering well-informed graduates and researchers who can excel in the global economy."

3. CCNY University-Wide Tech Fee Investment Program

CUNY has reinstated the University-wide Tech Fee Investment Program after a five-year pause. CCNY allocated 8 percent of its Technology Fee revenue. These funds will be used to invest in university-wide technology initiatives.

4. 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. CUNY's UWI encompasses a range of strategic programs and policies designed to enhance the educational experience, promote research and innovation, and improve operational efficiencies across its campuses. These initiatives are coordinated efforts across the CUNY system to address common goals and challenges.

5. Student Technology Internship Program (STIP)

Through the invaluable support of Technology Fee funding, the Student Technology Internship Program (STIP) at CCNY continues to thrive, offering an exceptional learning experience for participants. This mutually beneficial program empowers students with hands-on, real-world training in cutting-edge technologies while simultaneously enhancing the college's technology infrastructure. STIP interns play a crucial role in ensuring seamless delivery of essential technology services across campus, supporting students and faculty in academic settings. By bridging theoretical knowledge with practical experience, STIP equips participants with the skills and expertise necessary to excel in the dynamic technology landscape, fostering a talented workforce ready to drive innovation.

STIP has placed 43 of our students in the following divisions of OIT:

- Academic Technology Services Classroom Support
- OIT iMedia Reservation Desk (for Students and Faculty)
- Service Desk (Tier 1 support)
- College Wide and Divisional Client Services Support
- General OIT and Divisional Computer Labs Support.

6. Theatre and Speech Space Technology Upgrade

We have upgraded the two studio classrooms, CG 310 and 318, which serve as a space for acting, directing, movement, voice, stage combat, and other theatre classes, as well as the production of our acclaimed mainstage theatre productions, including the annual One Act Festival. These spaces now boast two cutting-edge (2) Wireless VIA Connect Pro Presentation systems and the latest one (1) Aruba Access Points, enabling seamless smart-classroom integration and wireless connectivity.

This upgrade not only enriches the learning environment for theatre students but also benefits interdisciplinary collaborations. Other departments and programs, such as the Masters in Theatre Education and the Early College Initiative, can now leverage these upgraded facilities for workshops, events, and cross-disciplinary endeavors, fostering a vibrant, collaborative academic community."

7. CCNY Student Laptop Loan Program Expansion

Our current program has been extremely successful and we are seeing an increase in the number of 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, providing these resources on campus will reduce costs associated with purchasing individual devices and provide a centralized location for

technical support if needed. We were able to add an additional six new laptops, which grants students with limited finances more opportunities to excel with access to the latest computers and resources.

8. School of Education Learning and Technology Resource Center Learning Systems Upgrade

The LTRC lab in the School of Education is an inclusive, open learning space serving students across all departments. To enhance accessibility and support our diverse student population, including at-risk individuals, we made the following improvements:

1. Procured 50 high-quality noise-canceling headphones to optimize the online learning experience for students using the lab equipment.
2. Installed 25 security cables to safeguard the laptops utilized for online learning, protecting the valuable assets from potential theft.
3. Upgraded the memory of 20 desktop systems, ensuring efficient performance and a seamless computing experience for students.
4. Replaced our existing scanners with five state-of-the-art models, enabling education students to digitize learning materials efficiently during their classroom teaching preparations.

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

In collaboration with our Facilities Department, the Office of Information Technology (OIT) has transformed the PPS program room into a state-of-the-art smart classroom and seminar room. We deployed two new Panasonic 75-inch LCD displays and a cutting-edge wireless VIA Connect2 Pro presentation device. These enhancements provide a modern and technologically advanced learning environment, enabling seamless presentations and facilitating interactive learning experiences.

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

In collaboration with the Office of Information Technology (OIT), two smart classrooms, NAC 6/207C and 3/214, have undergone a comprehensive technology upgrade. These rooms have been equipped with the latest interactive smartboard technology and Notebook's most recent software version. This system upgrade will help to ensure our faculty members have access to cutting-edge tools and resources, enabling them to deliver engaging and immersive learning experiences.

11. CWE Library and Corridor Student Areas Hardware Upgrade

We have successfully modernized the technology resources available to our students in the library and corridors. Eight outdated iMacs, primarily used for course-related work, research, and accessing CCNY library resources, have been replaced with state-of-the-art models featuring the latest hardware and software. This upgrade ensures our students have access to powerful and efficient computing tools, enabling them to complete their academic tasks seamlessly.

Furthermore, we have installed seven tabletop phone charging stations strategically positioned throughout the facility. This initiative addresses the needs of our dedicated students, many of whom attend evening classes on campus. With the ability to conveniently recharge their mobile devices, students can now fully leverage the benefits of their smartphones, accessing educational videos, audio files, and relevant websites during class sessions, enhancing their overall learning experience.

12. Gaming Lab Equipment Expansion - Room MR 044 Lab

Previously, the lab was equipped with only 16 computers, creating a significant limitation for the 20 registered students in the class. We have expanded the lab's resources by incorporating four (4) state-of-the-art specialized computers and monitors to address this challenge and provide an optimal learning environment. This timely upgrade ensures that all 20 students can now seamlessly access and utilize the necessary computing resources concurrently, without the need to borrow laptops or experience delays in completing their projects.

13. Digital Output Center and EDM Lab Peripheral Upgrades

The Electronic Design & Media program has made two significant technology upgrades to enhance its animation, illustration, digital imaging, and portfolio development programs. First, 16 Wacom tablets were purchased for use in instructional settings and for student borrowing during open lab hours. These tablets will enable hands-on learning and project work in 2D and 3D animation, illustration (foundation and advanced), digital imaging, and Photoshop classes, as well as the creation of professional portfolios for our Capstone and Thesis courses.

Second, five (5) iMacs in the Digital Output Center were replaced with Dell Precision Workstations. This change was necessitated by Apple's removal of color-accurate printing tools and workflows, which had previously allowed for consistent color management. The new Dell Workstations offer more robust performance, easier upgradeability, and streamlined maintenance compared to the iMacs. They will support high-quality inkjet printing for graphic design, photography, and large-format projects required by our undergraduate and graduate students.

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

The Mechanical Engineering department has undertaken a significant technology upgrade in three of its undergraduate instructional laboratories: the Manufacturing Laboratory (ST-B38), the Materials Laboratory (ST-B64), and the Aero-Thermal-Fluids Laboratory (ST-B35). These laboratories play a crucial role in providing hands-on learning experiences through experiments and specialized equipment, which require dedicated computers for data acquisition and analysis. However, the desktop computers in these laboratories became obsolete, ranging from 13 to 17 years old, and they ran an unsupported operating system, Windows XP.

In collaboration with the Office of Information Technology, The ME Department replaced nine (9) desktop computers equipped with the latest operating system and robust hardware

specifications. Recognizing the importance of up-to-date technology for effective learning and research, the department collaborated with the Office of Information Technology to replace the aging computers. This upgrade has enhanced the functionality and performance of the laboratory computers, ensuring that students have access to modern computing resources for data processing and analysis during their experimental work.

15. School of Architecture Large Format Plotters for Studio Labs Upgrade

The Office of Information Technology (OIT) replaced the three large-format plotters that served approximately 470 students. The previous plotters, which were six (6) years old, have been replaced with newer models to ensure reliable and efficient printing services. Additionally, the School of Architecture has established a dedicated CAD Lab room, allowing students to print their portfolios and architectural drawings round the clock 24 hours a day. This dedicated facility will provide increased accessibility and convenience for students, allowing them to work on their projects and print their materials anytime.

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

The Office of Information Technology (OIT) purchased 25 iPad Air devices and corresponding accessories, including smart keyboard folios and stylus pens, to support the Sociology Department's academic and research endeavors. These iPad Air devices will serve two (2) primary purposes within the Sociology Department:

1. Classroom Instruction: they will be utilized as interactive learning tools during lectures and seminars, enabling faculty and students to incorporate multimedia content, real-time collaboration, and digital note-taking. This will enhance the overall learning experience for students and facilitate a more engaging and dynamic classroom environment.
2. Faculty-Student Research Projects: they will also be leveraged for research projects conducted by faculty members and students. The portability and versatility of these tablets will allow researchers to collect data, conduct field observations, and collaborate seamlessly, regardless of their location

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

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 historians and educators of visual art. We recently upgraded obsolete and outdated equipment with industry-standard replacement equipment, including three (3) projectors, nine (9) new iMacs computers, and three (3) blackout shades to be used in classrooms.

18. School of Architecture Network Cabling Upgrade for Digital Signature This proposal is still pending. It is planned to be completed before August 2024.

CCNY Student Technology Fee Plan

1. 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): Mario H. Ramirez, PhD, Associate Dean and Chief Librarian

Telephone Number: 212-650-7271

Email: mramirez3@ccny.cuny.edu

6=F Electronics Information resources in the library

College Department(s) Affected: Entire College

Impact on Students:

Digital subscriptions are integral to our students' academic success, enabling research both on campus and remotely. These resources are critical in fulfilling City College's mission. Our information literacy program teaches students to leverage these databases effectively, a skill they apply in off-campus research. Moreover, providing remote access to these resources ensures we meet federal mandates for accessible technology, enabling students with disabilities to complete coursework successfully.

Project Description:

The Library seeks to renew its Technology Fee funding to maintain critical online resources previously supported by this fund. These digital subscriptions provide essential academic support to our students and faculty. Brief descriptions of each resource are provided below:

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 that indexes the literature on chemistry and related sciences. 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 2025 Fiscal Year Budget:

Items	Cost
	Year 24(2024 - 2025)
Library Digital Electronic Databases	
1.Thieme e-Journals	\$ 4,676
2.EBSCO eBook Subscriptions	\$ 10,954
3. Emerald Management and Engineering	\$ 19,991
4. American Chemical Society	\$ 25,630
5. SciFinder Scholar	\$ 33,210
6. Cambridge Core	\$ 35,917
7. e-Books	\$110,265
Total	\$240,643

2. CCNY University-Wide Tech Fee Investment Program (UWTIP)

- 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:

CCNY has reserved seven percent of the total Technology Fee revenue for FY 2025 for the University to invest in university-wide technology initiatives. CUNY's UWI encompasses a range of strategic programs and policies designed to enhance the educational experience, promote research and innovation, and improve operational efficiencies across its campuses. These initiatives are coordinated efforts across the CUNY system to address common goals and challenges. The total allocation is \$248,000.

3. 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: kihler@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 \$362,000 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 wifi 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 and Center for Worker Education, 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 2025 Fiscal Year Budget:

Item Description	Cost
	Year 24 (2024 - 2025)
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	\$ 4,000
Paper	\$18,000
Toners & Maintenance kits	\$30,000
Sub-total	\$54,250
4. Software Licenses	
SurveyMonkey	\$ 468
AVI-SPL- Smart Learning Suite	\$ 950
Digital Signage License	\$ 1,000
Deep Freeze	\$ 2,000
PaperCut Remote	\$ 2,000
Harris Geospatial Solution-ENVI + IDL Academic	\$ 2,055
Bomgar Remote Access	\$ 5,693
Casper Suite - JamF	\$ 6,095
LaBStats	\$ 6,510
Career Service Manager (CSM)	\$ 7,000
SSL Certificate for wifi	\$ 7,836
WebCheckout	\$ 9,082
Citrix Xen Desktop	\$ 9,086
SysAid	\$ 9,475
Qless	\$20,500
Chatbot	\$24,000
LanDesk Patch Management	\$39,000
Wireless Licenses Support	\$95,000
Sub-total	\$247,750
Total	\$362,000

4. 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 21 percent of the total Technology Fee revenue to pay for University-Wide Initiative projects (CUNY-UWI). I am requesting \$798,459 to continue funding the software listed below.

FY 2025 Fiscal Year Budget:

List of Software	Description	Year 24 (2024 - 2025)
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

5. Data Mapping Storage Technology Equipment

- A. Please select one Category: C (Continuing Project)
B. Please select one - Who proposed: 4. Students & Faculty

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

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

Department(s)/division Affected: Any student enrolled in our Sociology Courses.

The Sociology department supports approximately 250 undergraduate majors and minors. The faculty teaches core courses such as Introduction to Sociology and Research Methods, and a diverse range of elective courses appeal to students across disciplines. These include classes such as Sociology of Consumer Behavior (Soc. 31161), Data Justice & Algorithmic Accountability (SOC 31182 / ECO 31182, Science, Technology, and Society (Soc 31920), Science of Sex and Gender (-SOC 378/BIO 378,) and Environmental Sustainability and Social Justice (SSC31150). Many non-majors, including the approximately 2,000 Psychology majors and minors, as well as pre-med students fulfilling requirements, enroll in Sociology courses to broaden their perspectives and explore interdisciplinary topics."

How your proposal will impact Students:

Our research and courses require the ability to record, share, and analyze data collaboratively. Ethnographic research requires students to capture field notes through writing, illustrations, and typing while in the field. When documenting environments in teams, they need real-time collaboration on shared documents. Students need internet-enabled devices for survey administration to access platforms like Qualtrics and Google Surveys. They also require informal channels to share results with communities unable to attend presentations and to encourage respondent participation.

Student project examples include: 1) Documenting senior-friendly organizations and accessibility features like entrances, benches, and public restrooms. 2) Assessing the impact of infrastructural changes, such as temporary paths and park closures, for climate sustainability. 3) Modeling climate change effects like flood-prone zones and heat islands for climate justice and sustainability initiatives."

Project Description:

This proposal requests funding for a secure rolling cart designed to store, charge, and transport our department's iPads and accessories—resources previously acquired through a Tech Fee grant. This investment will significantly enhance the utility of these devices by:

1. Ensuring their security in a locked, tamper-resistant cart

2. Maintaining their functionality with integrated charging stations
3. Improving accessibility through easy classroom-to-classroom mobility

By optimizing the management and availability of these iPads, we'll directly support student learning and research initiatives in the Sociology Department, making these valuable tools more accessible, secure, and consistently ready for use.

2024 - 2025 Fiscal Year Budget:

Items	Qty	Cost
		Year 24 (2024 - 2025)
Miscellaneous/Accessories		
Supplies		\$ 28
M- Carrier 30 Cart - Chromebook, Laptop, iPad, Tablet		\$1,777
Total		\$1,805

6. iPads for Course Instruction

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

B. Please select one - Who proposed: **Q 2. Faculty**

C. Person Responsible for Project(s): Professor Mahesh Lakshman

Telephone Number: (212) 650-7835

Email: mlakshman@ccny.cuny.edu

1=A Implementing or upgrading of instructional computer labs

Department(s)/division Affected: Chemistry and Biochemistry.

How your proposal will impact Students:

Professors Mahesh Lakshman and Barbara Zajc have taught and continue to teach a wide range of undergraduate and graduate organic chemistry courses at CCNY, including Chem 261 (Organic Chemistry 1, large population), Chem 262 (Organic Chemistry Laboratory, large population, split into several sections with at least two separate lectures per week), Organic Mechanisms (B5000 for MS and 5-year BS/MS students, co-listed as 32003 for undergraduates), Organic Synthesis (B5100 for MS and 5-year BS/MS students, co-listed as 32001 for undergraduates), Spectroscopy and Structural Proof in Organic Chemistry (B5200 for MS and 5-year BS/MS students, co-listed as Chem 32500 for undergraduates, with chemical engineering students recently subscribing to B5000). Both faculty members occasionally teach at the CUNY Graduate Center as well. The iPads and accessories will significantly impact the dissemination of course material in these diverse courses to a large CCNY student body, enabling ready access to Internet-based learning tools, such as online videos and simulations, for in-class teaching and learning. These tools are not achievable through traditional means. Furthermore, the equipment will allow the faculty members to leverage the functionality of smart classrooms and use remote learning tools, like Zoom, which became invaluable during the pandemic.

Project Description:

The requested iPads and associated accessories will allow instructors to utilize cutting-edge technology for classroom instruction across numerous courses in the Department of Chemistry and Biochemistry. These devices enable full utilization of the smart classroom capabilities available throughout CCNY, where these instructors frequently teach. Moreover, in today's digital age, a wealth of Internet-based resources can augment and potentially improve the understanding of various concepts being taught. In an in-person setting, accessing these resources requires electronic devices with Wi-Fi capability. For instance, in the first-semester organic chemistry course, simulations from the University of Surrey can be displayed during lectures to illustrate substitution reaction mechanisms, which are otherwise static "pictures and words" in textbooks (e.g., <https://www.youtube.com/watch?v=JmcVgE2WKBE>). Similarly,

simulated bond vibrations can clarify infrared vibrations, a concept typically represented by motionless, 2-D images in books (<https://www.youtube.com/watch?v=1PQgDfJKXvA>). Another example is the triple point of an organic compound, where solid, liquid, and vapor coexist in equilibrium at a specific temperature and pressure (<https://www.youtube.com/watch?v=XEbMHmDhq2I&t=2s>). This challenging concept becomes more comprehensible and memorable when visualized through a video of a compound freezing, liquefying, and boiling simultaneously. While these are just a few examples from undergraduate courses, numerous such opportunities exist across the wide range of courses taught by these two instructors (see section above for courses).

The value and necessity of electronic tools like iPads for instruction became paramount during the challenging pandemic period. However, this experience also highlighted the power and indispensability of such devices in contemporary classroom settings. For example, writing additional material on slides while explaining a concept is now standard practice, replacing traditional chalkboards. iPads also facilitate real-time problem-solving directly projected on screens. Furthermore, such devices have made remote learning more feasible in critical situations, such as instructor illness or unexpected course transitions to online formats due to weather-related campus closures. Additionally, during remote office hours, the writing capability of electronic devices greatly simplifies otherwise difficult teaching and learning exercises.

We request funds to purchase two iPads and essential accessories. This investment will transform the organic chemistry learning experience for many CCNY students and position Professors Lakshman and Zajc at the forefront of technology-integrated pedagogy.

2024 - 2025 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 24 (2024 - 2025)
iPad Pro 6 th generation (12.9 inch, WiFi, 128 GB) + 3yrs Care \$1,240 each	2	\$2,480
Supplies or Accessories		
ZAGG Invisible Shield GlassFusion+ Canvas Screen Protector, \$41 each	2	\$ 82
Apple ipencil 2 nd generation stylus, \$134.5 each	2	\$ 269
Apple Smart - keyboard and folio case, \$209	2	\$ 418
Sub-total		\$ 769
Total		\$3,249

7. CWE’s Auditorium Projector Replacement

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

B. Please select one - Who proposed: **6. Faculty & Staff**

C. Person Responsible for Project(s): Elizabeth Matthews & Robert Hernandez

Telephone Number: 212-925-6000 x 260

Email: ematthews@ccny.cuny.edu or robert@ccny.cuny.edu

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

Department(s)/division Affected: CWE/IAS

How your proposal will impact Students:

The Center for Worker Education (CWE) auditorium is a vital hub that hosts various academic activities, including division-wide events, admissions sessions, special lectures, and student support programs. However, the current projector, a crucial piece of equipment for these events, has malfunctioned, hindering our ability to deliver a seamless learning experience. The aging projector is no longer covered by the manufacturer's warranty, significantly limiting our repair options and underscoring the need for a replacement.

Project Description:

Procuring a new, state-of-the-art projector is crucial to maintaining the Center for Worker Education (CWE) auditorium as a technology enhanced venue for its diverse array of essential academic activities. By replacing the malfunctioning and outdated projector with a high-quality, feature-rich model, we can ensure seamless operations and provide a superior audiovisual experience that aligns with our commitment to continuously enhancing our community's educational resources and facilities.

2024 - 2025 Fiscal Year Budget:

Items	Qty	Cost
AV Equipment /Projection Devices		Year 24(2024 - 2025)
Epson Powerlifter L730U	1	
Total		\$3,505

8. Sculpture Area Technology Upgrades

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

B. Please select one - Who proposed: **2. Faculty**

C. Person Responsible for Project(s): Peggy Chiang
Telephone Number: 443-474-2061
Email: pchiang@ccny.cuny.edu

2=B Acquiring or upgrading **accessible technology**

Department(s)/division Affected: Art Department, Sculpture Area.

How your proposal will impact Students:

The proposed acquisitions will significantly enhance the learning experience for students enrolled in sculpture courses. With 7-8 classes running per semester, each with 15 students, this investment will benefit a substantial number of students. The computer, tablet, and projector equipment will enable the use of high-quality visual aids, which are essential in studio art courses. These visual aids will facilitate a more engaging and immersive learning environment, including lectures, slides, screenings, and video tutorials.

Moreover, providing students with access to photography equipment will empower them to develop professional-grade portfolios, showcasing their artistic abilities and growth. This hands-on experience will not only strengthen their technical skills but also prepare them for professional practices within the art industry. By emphasizing these professional practices in the curriculum, instructors can better equip students with the necessary tools and knowledge to thrive in their future artistic endeavors.

Project Description:

We request funds to acquire essential equipment that will revolutionize the learning experience in our art studio courses. Specifically, we seek to obtain (1) a high-performance iMac, (2) a high-resolution projector, and (3) a digital Panasonic camera. This state-of-the-art equipment will empower students to document their sculptural works professionally, facilitating effective critiques, engaging presentations, and the creation of comprehensive portfolios.

2024 - 2025 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 24(2024 - 2025)
Ipad	1	\$ 799
iMac 24"-M3, 16GB , 512 SSD + 4yrs of apple care	1	\$1,725
Sub-total		\$2,524

AV Equipment/Projection Devices		
BenQ Projector	1	\$1,799
Sub-total		\$1,799
Miscellaneous /Accessories or Supplies		
Memory Card Reader	1	\$ 25
Bose Computer Speaker System	1	\$ 79
Extension Cords, \$37 each	5	\$ 185
Projector Screen	1	\$ 343
Digital Camera (Panasonic Lumex DMC-FZ300)	1	\$ 499
Sub-total		\$1,131
Total		\$5,454

9. Shepard Hall Room 77 Music Student Study Center

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

B. Please select one - Who proposed: 2. Faculty

C. Person Responsible for Project(s): Mike Holober, Chair, Music Department
Telephone Number: (212) 650-5411
Email: mholober@ccny.cuny.edu

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

How your proposal will impact Students:

CCNY's Music Department has nearly 300 music majors, including the only undergraduate Jazz Studies Performance Degree and one of only two Graduate Degrees in Jazz Studies within the CUNY system. Additionally, our elite Sonic Arts Program is a standout regional offering. However, our students are currently facing a significant challenge: the lack of a dedicated space for group study, collaborative listening, and music preparation activities.

With numerous classes across various programs at the graduate and undergraduate levels requiring computer access, music score preparation, and collaborative work, our students are often forced to resort to using hallways as their only non-quiet gathering space. This situation is far from ideal and hinders their ability to engage in productive group work and rehearsals.

Classes such as Jazz Composition, Jazz Arranging, Graduate Jazz Theory, the Jazz Harmony sequence, the Jazz History sequence, Graduate Pedagogy, and multiple performance groups all necessitate access to music preparation facilities and resources. Furthermore, the constant playing sessions and rehearsals inherent to our performance programs generate a constant need for music preparation and printing services, which are currently extremely limited within Shepard Hall, compelling students to seek off-campus solutions.

Project Description:

This proposal addresses a critical need within the CCNY Music Department: the lack of a dedicated communal workspace for our music majors. Currently, our students, encompassing three undergraduate programs and one graduate program, are forced to utilize the hallways as their primary gathering space for individual and group study, listening sessions, music score preparation, and countless other academic activities. We can transform Room 77 into a dedicated study center and student space by upgrading it with essential technology such as iMac Computers and a printer, including a coil binding machine for music scores and academic assignments. This room already features a piano and listening system, making it an ideal candidate for this enhancement.

The proposed upgrades will not only provide our students with the necessary resources for their academic and artistic pursuits but will also foster a thriving community by encouraging communication and collaboration among our talented music scholars.

2024 - 2025 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 24 (2024 - 2025)
iMac 24"-M3, 16GB , 1TB + 4yrs of apple care, \$2,064	2	\$4,128
Peripherals		
Printers - Brother MFC-J6955DW	1	\$566
Miscellaneous /Accessories or Supplies		
3M C38 Single Roll Tape Dispenser H-1113,\$6 each	2	\$ 10
Xtreme Stainless Steel Rulers Inches and Metric, \$9 each	2	\$ 18
Spiral Coil Binding Supplies-14mm – 9/16" inside diameter, \$17	2	\$ 34
Carl Professional 12" Rotary Paper Trimmer RT-200	1	\$ 65
Flagship Premium Copy Paper, 92 Bright, 20 lb, 11" x 17, \$69	3	\$ 207
Brother LC406 InkJet Bundle Cartridges, \$70 each	3	\$ 210
Flagship Premium Copy Paper, 92 Bright, 20 lb, 8.5" x 11 , \$56	4	\$ 224
Uline Desktop Power Center Strip, model H-9497, \$49 each	5	\$ 245
Akiles Coilmac M Plus Manual Coil Binding Machine	1	\$ 410
Simplex LP1010 Pushbutton Rim Exit Device Lock	1	\$ 544
Sub-total		\$1,967
Total		\$6,661

10. EDM Instructional Computer Labs Projector Upgrade

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

B. Please select one - Who proposed: 6. Faculty & Staff

C. Person Responsible for Project(s): Prof. Pilar Newton and Andrew Harrington Rutter
Telephone Number: 212-650-8351
Email: aharrington@ccny.cuny.edu

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

Department(s)/division Affected:

The Department of Art's Electronic Design & Multimedia (EDM) program serves as a vital hub for artistic and technological exploration, catering to over 600 students majoring in this dynamic field. Among these students, 375 are pursuing the BFA in Electronic Design and Multimedia or the BA/Digital Design Concentration, in addition to CUNY BA students and 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.

The Department of Art department 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 an impressive 80+ classes, averaging 40 courses each Fall and Spring semester, along with summer offerings, accommodating roughly 1,400 seats across four classrooms and labs. This comprehensive curriculum and dedicated infrastructure demonstrate the program's commitment to providing students with comprehensive hands-on education in this rapidly evolving field.

Additionally, the department's Digital Output Center (DOC) offers full-service, large format, archival inkjet printing, serving as a valuable resource for students and colleagues across the campus. This lab produces high-quality work for over 150 undergraduate and graduate students each semester, further enhancing our diverse student body's creative and professional capabilities.

How your proposal will impact Students:

In the rapidly evolving field of digital design, it is imperative for students to have access to cutting-edge technology that can handle the demands of modern software applications, large file sizes, and complex operations. The Electronic Design & Multimedia (EDM) program

recognizes the necessity of providing our students with up-to-date computer processors and peripherals/accessories across all our labs. Consistency in technology is crucial to ensure that our students and faculty can function creatively, efficiently, and equally, regardless of their specific area of study within the digital design realm. One of the primary goals of the EDM program is to equip our students with the skills and knowledge necessary to secure employment in the multimedia design industry.

The quality of our students' portfolios is a testament to the program's commitment to providing a cutting-edge learning environment. Many of our current and former students have secured prestigious internships and positions at renowned companies such as 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 now employed at leading organizations such as NBC Universal/Peacock, Conde Nast, Fast Company, Discovery Channel, Dow Jones, Penguin Random House, Scholastic, United Nations, The Wall Street Journal, and IDEO.

Project Description:

We request funds to replace and upgrade the digital projectors in three instructional classrooms. For years, we have grappled with the limitations of consumer-level digital projectors, which have served as the backbone of our instructional spaces. These projectors have become a significant source of e-waste due to the lack of service or parts availability beyond their limited sale period. This has resulted in a mere 2-3 years of operational lifespan in a classroom environment before they become unfixable and rendered unusable.

Our projectors are prone to overheating, signal loss, and a resolution (720x1080) that is not conducive to a teaching environment, let alone one based on Art and Design. As these projectors age and start to fail, they negatively impact the lessons our professors deliver by causing interruptions that necessitate technical support, hindering the learning process.

To address this issue, we have carefully selected a more industry/commercial-focused solution, as our projectors are commonly used for up to 12 hours a day, continuously, for up to 5 days a week. We have chosen the Panasonic PT-VMZ71U7 projectors primarily for their robust duty cycle and long service intervals. We expect these projectors to last at least 7-12 years in our demanding, high-usage environments. Additionally, we have paid special attention to the availability of parts. Panasonic has demonstrated a commitment to keeping parts like bulbs and filters available for their projectors for almost 20 years, ensuring long-term serviceability.

In addition to upgrading the image resolution, the new projectors will also feature a significantly higher brightness rating. This enhanced brightness will allow professors to conduct lessons while leaving the main room lights on, facilitating greater and more impactful conversations with students. It will also enable instructors to better identify students' comprehension of the lesson by allowing them to see each other during presentations and demonstrations, fostering a more interactive and engaging learning environment.

By investing in these industry-grade projectors, we will address the ongoing e-waste issue and provide our faculty and students with a reliable, high-quality visual experience that enhances the teaching and learning process. This upgrade will contribute to a more effective and immersive educational environment befitting the caliber of our Art and Design programs.

2024 Fiscal Year Budget:

Items	Qty	Cost
		Year 24 (2024 - 2025)
AV Equipment /Projection Devices		
Panasonic PT-VMZ71U7, \$3731 each	3	\$11,193
Total		\$11,193

11. School of Education – Multimedia Center – Artificial Intelligence, Virtual & Augmented Reality

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

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

C. Person Responsible for Project(s): Doris Grasserbauer
Telephone Number: 212 650-5795
Email: dgrasserbauer@ccny.cuny.edu

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

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

How your proposal will impact Students:

Our teacher education program aims to equip students with cutting-edge technologies to ensure they remain competitive with their peers. To achieve this goal, we request funding for equipment related to virtual reality (VR), augmented reality (AR), and artificial intelligence (AI). Specifically, we seek to acquire two laptops and ten VR headsets.

With these resources, students will learn to create immersive curriculum experiences that integrate VR, AR, and AI. For instance, when studying ancient Greek literature, students could transport their learners to a virtual recreation of ancient Greece, complete with authentic sights and sounds generated by AI. This approach will enable our future educators to design meaningful, engaging learning experiences that leverage emerging technologies.

Incorporating these technologies into teacher preparation is crucial for aligning our program with the expectations of our accrediting body, AAQEP, as we prepare for their visit in Spring 2025. By understanding how to effectively utilize VR, AR, and AI as teaching tools, our graduates will be equipped to stay up-to-date with technological advancements throughout their professional careers. The acquired equipment will be housed in the Multimedia Center of the School of Education, ensuring accessibility for all 1,300 students (1/3 undergraduates, 2/3 graduates) during open lab hours and class sessions.

Project Description:

We request funds to acquire the following:

1. Ten (10) Virtual Reality (VR) headsets. These will provide students with hands-on experience in designing immersive VR curricula, allowing them to create engaging virtual environments directly related to their subject matter. Students without personal headsets can still collaborate and participate through interactive classroom displays.

- Two (2) high-performance laptops. These powerful machines will enable students to explore and utilize various Artificial Intelligence (AI) tools for educational purposes. Such tools can be leveraged to create multimedia content like audio, video, and curriculum materials, enhancing the learning experience.

As potential virtual world platforms, we aim to evaluate and leverage the capabilities of metaverse environments like Meta, Minecraft, Roblox, or equivalent solutions. These platforms will enable us to design and deliver truly immersive and engaging educational experiences for our students. By investing in these resources, our students will gain invaluable practical experience with cutting-edge technologies like VR and AI. They will develop essential skills in designing and implementing innovative, engaging educational experiences that leverage immersive virtual environments and AI-driven content creation.

2024 - 2025 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 24 (2024 - 2025)
Dell Alienware m18 AMD,64GB, 1TB, gaming laptop, \$3,243	2	
Sub-total		\$6,486
Peripherals		
Meta Quest 3 - 128 GB - Virtual Reality System - USB-C, \$537	10	
Sub-total		\$5,370
Total		\$11,856

12. Bio Unlocking Potential: Embracing Visual Learning

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

B. Please select one - Who proposed: 6. Faculty & Staff

C. Person Responsible for Project(s): Prof. David Lohman and Hector Fermin
Telephone Number: 212-650-7984
Email: Hfermin@ccny.cuny.edu

8=H Upgrading instructional spaces to **support technology-assisted learning**, such as Smart Classroom

Department(s)/division Affected: Students enroll in Biology.

How your proposal will impact Students:

This proposal aims to purchase a digital microscope to elevate the visual learning experience in our biology teaching labs. Building upon the successful AV system upgrades funded by previous tech fee proposals, the integration of a digital microscope will further enhance our teaching capabilities and student engagement. The digital microscope will be utilized across multiple biology courses, including Bio 101, Bio 102, Bio 249, Bio 247, and Bio 248. It is estimated that approximately 1,200 students from various divisions, such as Psychology, Engineering, and the Medical School, will directly benefit from this enhancement.

By investing in this cutting-edge technology, we will be able to provide our students with high-quality visual aids and detailed microscopic observations. This will facilitate a deeper understanding of course materials. Moreover, the digital microscope aligns with our commitment to delivering exceptional education by incorporating modern technological advancements into our teaching methodologies. Integrating a digital microscope will enhance the learning experience for our biology students and contribute to the overall educational quality offered by our institution. It will enable us to stay at the forefront of technological advancements in education, ensuring that our students receive a comprehensive and engaging learning experience that prepares them for future academic and professional endeavors.

Project Description:

I am proposing the acquisition of Digital Compound Microscopes equipped with an 11.6" retina display screen. These advanced microscopes offer seamless integration with our existing classroom technology, providing an all-in-one solution for enhanced teaching and learning experiences. The integrated camera boasts powerful capabilities, including direct HDMI output for smart boards and computer USB connectivity. In HDMI mode, the onboard software allows intuitive camera control using the included mouse. Additionally, when interfaced with a PC, the camera unlocks access to feature-rich software for advanced functionalities such as image and video capture, measurements, extended depth of focus, annotations, stitching, and more.

Furthermore, I propose acquiring the MicroDirect/1080p HDMI Handheld Digital Microscope, which streams clear 1080p HD video directly to a monitor via an HDMI cable, eliminating the need for a computer.

This upgrade will significantly enhance our teaching capabilities, providing students access to cutting-edge technology and improving their learning experience. Moreover, it aligns with our commitment to delivering high-quality education by integrating innovative tools into our curriculum.

2024 - 2025 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 24 (2024 - 2025)
Accu-Scope 0.50X, C-Mount with focus Adjustment, \$191 each	3	\$ 573
Celestron™ MicroDirect/1080p HDMI Handheld Digital Microscope , \$185 each	5	\$ 925
Accu-Scope Excelis HD Lite Camera with Integrate 11.6 HD monitor, \$1,076 each	3	\$3,228
Accu-Scope EXC-350-PH phase contract Digital LCD Microscope Package with Turret Phase system	1	\$3,816
Accu-Scope 3001-LED Trinocular Phase Microscope with 10X and 40XR Plan Phase, \$1,464 each	3	\$4,389
Total		\$12,931

13. School of Education – Multimedia Center – Lab Upgrade

A. Please select one Category: 1. **C.** (Continuing Project)

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

C. Person Responsible for Project(s): Doris Grasserbauer
Telephone Number: 212 650-5795
Email: dgrasserbauer@ccny.cuny.edu

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

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

How your proposal will impact Students:

The Multimedia Center rooms NAC 4/221 and 4/216 serve dual purposes as classrooms and open labs. Although more students bring their own devices to campus, faculty and students prefer using desktops for classroom instruction. Initially, we planned to redesign room 4/221 with only ten desktops. However, recent observations led us to reconsider and replace another ten desktops from the former thirty, bringing the total to twenty desktops. This configuration caters to both needs: a flexible space for students' devices and an instructional space with desktop computers.

Teaching methodologies often mirror the way instructors were taught themselves. By modeling various instructional modes, our candidates can apply this knowledge to their future K-12 classrooms. Instructions can be delivered on students' devices, desktops, or laptops from our cart. The room's mobile tables allow for flexible setups based on instructional needs. During open lab hours, students can work with their devices, use desktops, or borrow laptops. It is crucial to provide functional lab equipment for our 1,300 students (1/3 undergraduate, 2/3 graduate) pursuing teacher certification. The desktops in 4/221 were purchased before our last accreditation visit in 2016. As we approach the accreditation visit in Spring 2025, we need to update the desktops in that room to be adequately prepared.

Project Description:

Room 4/221 had thirty (30) desktop computers that were more than seven (7) years old. Ten (10) of these were recently replaced. However, the remaining computers are still heavily utilized during classroom sessions and open lab hours, necessitating further upgrades. Our plan is to replace another ten (10) desktop computers and equip them with webcams, enabling students to participate in online sessions effectively. Additionally, we need to replace a broken Elmo document camera, as document cameras are essential in the Education field for sharing student work, books, manipulatives, and other instructional materials. Students pursuing their first teaching certification will benefit from training with state-of-the-art technology, preparing them to teach in New York State public schools effectively. Providing access to up-to-date

equipment and resources is crucial for ensuring our students are well-equipped to meet the demands of modern classrooms.

2024 - 2025 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 24 (2024 - 2025)
Prec. 3660, i7, 16 GB, 512 SSD, P2424HEB + Extended WYT,\$1,272	10	\$12720
Peripherals		
Elmo MX-P3 Document Camera	1	\$ 599
Total		\$13,319

14. Technology Upgrade in Classical and Modern Languages & Literature, History, Philosophy and Humanities and the Arts Advising Offices

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

B. Please select one - Who proposed: 7. Students/Faculty & Staff

C. Person Responsible for Project(s): Dean Renata Miller, Moe Liu, Nathaniel Foster

Telephone Number: 212- 650-6130

Email: mld@ccny.cuny.edu ; nafoster@ccny.cuny.edu

X 4=D Improving and implementing **Student Services**

Department(s)/division Affected: Classical and Modern Languages & Literatures (CMLL), History/Philosophy, and Humanities Departments.

How your proposal will impact Students: Here's a breakdown of the deployment plan:

Given the core English and foreign language requirements, the Division of Humanities and the Arts teaches more students across the entire College than any other division. Its faculty serves over 2,000 undergraduate majors, 600 minors, and 350 graduate students. We are requesting new equipment for the main office Humanities to support academic advisement for the departments of History, Philosophy, and Classical and Modern Languages and Literatures.

Classical and Modern Languages and Literatures

With the proliferation of digital learning resources and academic materials, reliable internet access and computing facilities are indispensable for student success. By deploying additional computers for students studying languages for majors, minors, and core language requirements, we aim to alleviate congestion and ensure students have equitable access to essential resources. The availability of more computers will streamline workflow and reduce wait times, enabling students to accomplish tasks efficiently. This is particularly crucial in high-traffic areas like NAC 5-218, where time constraints often hinder productivity.

The presence of language clubs and other student organizations underscores the diverse interests and activities within our department. Providing adequate computing resources in areas like NAC 5-218 ensures that these groups can engage in collaborative projects, research endeavors, and language learning activities seamlessly. By addressing the technology needs of our students, we contribute to the creation of a conducive learning environment that promotes academic excellence and personal growth. Accessible technology empowers students to explore, create, and innovate without constraints.

Two (2) Dell computers will be deployed in NAC 5-223, catering to the specific computing needs of the students who utilize this space.

Recognizing the heightened demand for internet access in this zone, two computers—a Dell and a Mac— will be deployed in NAC 5-218 to accommodate varying preferences and requirements. This area

is notably frequented by language clubs and other student organizations, underscoring the necessity for enhanced computing facilities to support their activities effectively.

History and Philosophy

Currently, the obsolete computers allocated for the History and Philosophy departments' student advisement fail to meet the minimum requirements for the installation of essential cybersecurity software, Cortex XDR, potentially compromising the security of student data and network integrity.

Considering these concerns, the decision has been made to deploy three (3) new computers to replace obsolete models, ensuring compliance with security standards while providing seamless internet access in NAC 5-144, one (1) Macintosh and two (2) Dells. NAC 5-144 area is frequently utilized for academic advising sessions and student consultations. Access to the internet is critical during these interactions, as it facilitates research, information retrieval, and the utilization of online academic resources. By providing dedicated machines for internet access, we ensure that students can seamlessly engage in these activities without disruptions or delays.

In summary, deploying three machines in the History/Philosophy department's NAC 5-144 is a prudent investment that will enhance student support services, safeguard data security, and foster a conducive learning environment. These machines will.

Humanities Academic Advising Office

The decision to invest in and deploy four (4) computers in the Humanities office support academic advising for hundreds of students. Currently, this area has insufficient and obsolete equipment, hindering students' ability to efficiently conduct their academic and administrative tasks. To address this issue, two (2) computers will be deployed to NAC 5-225 and 5-224, one in each room.

The allocation breakdown comprises one (1) Macintosh and three (3) Dell computers. These computers will serve as essential tools for students requiring internet access to accomplish various campus-related tasks, ranging from conducting academic research to meeting administrative responsibilities.

Furthermore, the deployment of these machines is not merely an upgrade but a necessary replacement for outdated equipment currently in use. The current obsolete machines are no longer capable of meeting the demands of modern internet usage, exacerbating the challenges faced by students in the Humanities Main area. By introducing new and efficient technology, we aim to significantly enhance the student experience and streamline campus life activities.

In conclusion, the investment in 11 new computers for deployment in critical Humanities' areas is a strategic decision aimed at addressing the pressing need for improved internet access, cybersecurity, and the administrative and academic needs of our students. By prioritizing the provision of adequate resources, we are empowering students to navigate their academic journey with greater ease and efficiency. This initiative aligns with our commitment to fostering a conducive learning environment and ensuring the holistic development of our student body.

Project Description:

We propose the acquisition of the following equipment:

- 8 Dell 3660's with 16GB memory and 512GB SSD + P2424EB monitors + 5 yrs Extended Warranty.
- 3 Apple 24" iMacs with M3, 8-core CPU, 10-core GPU, 512GB SSD, and 16GB + 3 yrs Apple Cares

Justification:

- 1 Enhanced Performance: The Dell 3660's with upgraded memory and storage will provide enhanced performance, allowing students to work more efficiently on resource-intensive tasks such as language processing, data analysis, and research.
- 2 Unified Ecosystem: Introducing Apple iMacs will offer students exposure to a different computing environment, broadening their skill set and preparing them for diverse technological landscapes in their future careers.
- 3 Improved Accessibility: With the addition of more computers students will have increased access to computing resources, reducing wait times and allowing for more flexible scheduling of coursework and projects.
- 4 Reliable Support: The inclusion of Dell Care and AppleCare contracts ensures timely and long-term maintenance and support, minimizing downtime and maximizing the longevity of the equipment.

2024 - 2025 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 24 (2024 - 2025)
iMac14" M3-8-core CPU, ,512SSD,16SSD+ 3yrs Apple care,\$1,725	3	\$ 5,175
Prec. 3660, i7, 16 GB, 512 SSD, P2424HEB + Extended WYT,\$1,272	8	\$10,176
Total		\$15,351

15. Launch and implementation of Bloomberg Terminals Lab at City College

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

B. Please select one - Who proposed: **7. Students/Faculty & Staff**

C. Person Responsible for Project(s): Prabal De, Paul Clifford, Andy Rich

Telephone Number: 212.650.6208

Email: pde@ccny.cuny.edu

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

Department(s)/division Affected:

- The Department of Economics and Business currently has almost 1,000 majors (the second largest and fastest-growing major at CCNY).
- All students interested in careers in financial services, tech, information services, and journalism.

How your proposal will impact Students:

We have raised the funds to launch a Bloomberg Terminals Lab at CCNY. In our arrangement with Bloomberg (which mirrors what they make available to all colleges and universities), we will purchase three Bloomberg terminals (\$26,580 each, with a total annual cost of \$79,740). With that purchase, Bloomberg provides us with nine additional terminals for free. The costs for the terminals in their first year are being covered by a donation from a member of the Colin Powell School Board of Visitors (\$26,580) plus one-time funds secured from CUNY (\$53,160). In total, the College will receive twelve terminals. Nine of them will be installed in the Tech Center on the first floor of the Library, thanks to the partnership (and kindness) of Ken Ihrer and his team. The remaining three terminals will be installed in the Student and Faculty Lounge space in the Department of Economics and Business on the fourth floor of NAC (NAC 4-125). The availability of the terminals will be transformative for our ability to serve students interested in careers in banking and financial services, as well as economics, tech, information services, and journalism. In particular, the Bloomberg terminals and lab will serve students majoring in Economics and Business at CCNY, which currently includes nearly 1,000 students. EcoBiz is the second largest major at CCNY and the fastest growing. In fact, we expect the major to grow considerably larger over the next five years, as the department launches its Bachelors of Business Administration (BBA) degree in 2025; this new degree has already been approved by CUNY and the State of New York, and it will include a well-developed concentration for students interested in careers in finance. Familiarity with Bloomberg terminals is an expectation of the financial sector and those in business, more generally. Bloomberg Labs already exist at Baruch College, Brooklyn College, Lehman College, and Queens College. The terminals have been game changers on those campuses, and they will be the same for students at CCNY.

Faculty in the Department of Economics and Business are receiving training on the terminals, and three-quarters of the faculty intend to integrate use of the terminals into their courses. We expect that terminals will be used by more than 1,000 students in the first year. They will be used for assignments in more than fifty sections of courses in EcoBiz, serving roughly 1,300 students. Many of these are Eco 10001, where students will get their first exposure to the terminals. Students will get much more intensive training in upper-level courses such as

Eco 21750, Eco 22350, Eco 31958, Eco 42250, The latter class has already had some class sessions at Bloomberg's corporate offices in midtown, just as a way to get students some experience with the terminals. Professor Paul Clifford directs the Finance Concentration for the new BBA, and he notes that Bloomberg also has training and certification programs for students, and these will become part of upper-level classes in the future. We expect many students to use the terminals on their own as well, in order to pursue career and professional development opportunities. When we announced to a large group of majors gathered for a career event last week that Bloomberg terminals are on the way, there was a burst of applause and a lot of excitement.

Project Description:

We request support from the FY 2025 CCNY Student Technology Fee to cover the costs of 12 Dell CPUs and three 27" monitors to complement the Bloomberg Terminals Lab. As part of our licensing agreement for twelve Bloomberg terminals, Bloomberg will provide monitors for the nine "free" terminals; hence, we only need to purchase three additional monitors. However, we require Dell CPUs for all twelve terminals to ensure seamless integration and optimal performance. Regarding the licensing costs for the Bloomberg Terminal Lab for 2024-25, we have secured funding through philanthropy and CUNY funds. The philanthropic contribution is expected to continue, but the CUNY funds received for next year are currently designated as "one-time" funds. Therefore, while we are financially secure for the upcoming academic year, we may request partial support from the Student Technology Fee for the licensing costs of the Bloomberg terminals in 2025-26, depending on the availability of alternative funding sources. By allocating funds from the Student Technology Fee towards the necessary hardware components, we can ensure that our students have access to a state-of-the-art Bloomberg Terminals Lab, enhancing their educational experience and preparing them for success in the financial sector and related industries.

2024 - 2025 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 24(2024 - 2025)
Dell P2723QE, \$257/unit	3	\$ 771
Dell Prec 3660 i7,16GB, 512 SSD + P2422H = \$ 1,221/unit	12	\$14,652
Total		\$15,423

16. Cohen main Student Library Desktop Upgrade

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

B. Please select one - Who proposed: Staff

C. Person Responsible for Project(s): John Carrero
Telephone Number: 212 650 7271
Email: jcarrero@ccny.cuny.edu

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

Department(s)/division Affected: All undergraduate and Graduate Students.

How your proposal will impact Students:

CCNY Library served over 16,000 students pursuing undergraduate and graduate degrees across eight professional schools and divisions. The public access computers in Cohen Library, which are essential resources for these students, are now five years old and rapidly approaching obsolescence. These computers cannot be upgraded to Windows 11, and Windows 10, the operating system they currently run, is nearing the end of its lifecycle. Microsoft has announced that in 2025, Windows 10 will no longer receive updates and support as the company shifts its focus to Windows 11. This means that the public access computers in Cohen Library will become increasingly vulnerable to security risks and incompatible with essential software updates after 2025.

Project Description:

To ensure uninterrupted access to reliable and secure computing resources for CCNY's diverse student body, Cohen Library requests funds to upgrade 20 public access desktop computers with the latest Windows Operating System. This investment will allow the Cohen Library to address these critical needs and continue to provide equitable access to reliable, secure, and cutting-edge computing resources.

2024 - 2025 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 24 (2024 - 2025)
Optiplex Micro Form i7, 16GB,256 SSD, Extended WYT, P2422H \$793 each	20	
Total		\$15,860

17. School of Education – Smart-Classroom Desktops Upgrade

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

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

C. Person Responsible for Project(s): **Henny Wong**
Telephone Number: **212 650-6265**
Email: **htwcc@ccny.cuny.edu**

8=H Upgrading instructional spaces to **support technology-assisted learning**, such as Smart Classroom

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

How your proposal will impact Students:

As a premier center for teacher preparation, New York State has uniquely progressive and rigorous requirements for new teachers to achieve licensure in K-12 education. These requirements include a strong emphasis on effective technology integration in the classroom. All teacher certification applicants must demonstrate proficiency in using technology to document and analyze their own performance in the classroom setting. Additionally, teacher preparation candidates must showcase their skills in content knowledge and general pedagogical knowledge, including accommodating different learning styles of K-12 students through computer-based assessments. Furthermore, accreditation standards set by the Association for Advancing Quality in Educator Preparation (AAQEP) mandate that candidates effectively utilize classroom technology to stimulate and engage students. The replacement of desktops will be timely for our upcoming accreditation visit in Spring 2025.

The School of Education has a proud legacy of leading the way in integrating technology in the classroom and equipping our students with the necessary tools to utilize these resources in their future classrooms effectively. It is imperative that we provide our students with up-to-date technology and tools to ensure their success as educators. Unlike other divisions, the School of Education must respond immediately to Regent's regulations, often with no more than six months' notice on changes in teacher certification requirements. This responsiveness is due to our direct link to a profession in public service, placing us on a more aggressive timeframe for meeting these demands compared to other divisions governed primarily by faculty dictates.

Project Description:

We request funds to replace thirteen (13) classroom desktops, most of which are over seven (7) years old, and the operating system they currently run is nearing the end of its lifecycle. In today's rapidly evolving technological landscape, these aging desktops risk becoming incompatible with the latest software and applications essential for effective teaching and learning. Replacing these outdated machines is imperative to ensure that our students have

access to cutting-edge technology, adequately preparing them for the modern classroom environments they will encounter as future educators.

The allocation of these funds will enable us to equip our key pedagogical classrooms with reliable and up-to-date desktops, fostering an environment conducive to developing our students into effective and technologically proficient educators for the 21st century. By providing access to state-of-the-art technology, we can:

2024 - 2025 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 24 (2024 - 2025)
Prec 3660 i7,16GB, 512 SSD, Extended WYT+ P2422H = \$1,221	13	
Total		\$15,873

18. School of Architecture (SSA) Audio-Video Upgrade, Rooms 107+128

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

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

C. Person Responsible for Project(s): Muhammad Ahmad

Telephone Number: 212-650-8819

Email: mahmad@ccny.cuny.edu

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

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's (SSA) rooms 107 and 128 are the main lecture halls and classrooms, catering to over 470 students (330 undergraduates and 140 graduates). These multipurpose teaching spaces are not just classrooms but are widely utilized by numerous departments, student organizations, and events across City College.

The audio and visual technology in these rooms is crucial for classes, extracurricular activities, symposiums, conferences, orientations, and lecture series, which often fill the rooms to their capacity of 175 people. Recently, the Colin Powell School hosted their in room SSA 128, and in the past, these rooms have been reserved by the President and Provost Offices, Foreign Languages and Literature, Sophie Davis (now CUNY School of Medicine), Science departments, Public Safety for training purposes, Human Resources for hiring pools, and Engineering departments for various events. Greek Life, NOMAS, AIAS, GARC, Engineers Without Borders, and other student clubs heavily rely on these versatile spaces for their activities throughout the year, including weekends. Room 107 serves as the orientation room for parents, prospective, and admitted students, making it an essential space for the City College community. We welcome the CCNY community to host future events at the Spitzer School of Architecture, fostering collaboration and resource sharing.

Project Description:

With the support of Tech Fee funding, we have successfully upgraded the audiovisual infrastructure in SSA rooms 107 and 128. The new setup, although basic, is a significant improvement over the previously malfunctioning system. It includes a lectern with a boundary

microphone, a Microsoft Surface Studio, and a laser projector that delivers crisp, 4K quality visuals on the wall.

Building upon this foundation, we aim to enhance the system further by accommodating wireless microphones. Currently, the single boundary microphone on the lectern poses challenges for students and remote participants on Zoom calls to hear lecturers clearly when they move away from the lectern. To address this issue, we propose upgrading the mixer to accommodate wireless microphones. Our plan is to acquire two handheld wireless microphones and four Lavalier microphones for rooms 107 and 128. By mirroring the setup in both rooms, we can seamlessly accommodate multiple events, classes, and lecturers without compromising quality or resources.

2024 - 2025 Fiscal Year Budget:

Items	Qty	Cost
		Year 24 (2024 - 2025)
AV Equipment /Projection Devices		
Total cost is for both rooms SSA 107 + 128		
Neutrik XLR Female Connector, \$7.33 each	12	\$88
Mason Technologies MTI MISC Hardware, \$120 each	2	\$240
Middle Atlantic SECL-8 – rack security cover- 8U, \$147	2	\$294
Middle Atlantic Rackmount Power Strip- \$183	2	\$366
Middle Atlantic CFR Series 10 RU open Frame Rack, \$420	2	\$840
Shure WL185 Lavalier Electret Condenser Microphone, \$110 each	8	\$880
DBX Dual-Channel Advance feedback suppressor, \$450	2	\$900
Shure Handheld Transmit W Beta, \$267 each	4	\$1,068
Shure UA844+SWB – RF amplifier splitter, \$556 each	2	\$1,112
Shure SCM800 analog mixer – 8 channel, \$770	2	\$1,540
Shure SLXD1 – Wireless bodypack transmitter for wireless microphone system, \$207.25	8	\$1,658
Shure SLXD4D – dual channel receiver for microphone, \$768 each	6	\$4,608
Labor- Equipment installation by Mason Technology	2	\$7,942
Total		\$21,536

19. CWE Student Laptop Loan Program Upgrade and Expansion

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

B. Please select one - Who proposed: 6. Faculty & Staff

C. Person Responsible for Project(s): Elizabeth Matthews & Robert Hernandez
Telephone Number: 212-925-6000 x 260
Email: ematthews@ccny.cuny.edu or robert@ccny.cuny.edu

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

Department(s)/division Affected: CWE/IAS

How your proposal will impact Students:

The Center for Worker Education (CWE) is deeply committed to promoting student success through technology access. Recognizing the importance of this initiative, CWE established one of the first college-level student laptop loan programs funded by the Tech Fee program, even before the COVID-19 pandemic. This visionary program has provided invaluable support to students lacking home computers, particularly benefiting those enrolled in online courses or facing financial hardship.

Project Description:

Our program currently offers 20 Mac laptops and 5 Dell laptops to accommodate diverse student preferences. While 14 Mac laptops are actively being utilized by students this semester, the remaining 6 Macs and all 5 Dells have reached the end of their functional life, necessitating immediate replacements to ensure the program's continuity and growth. To maintain student access to technology and align with the University's goal of expanding online course offerings, CWE requests the acquisition of 10 new Mac laptops and 5 new Dell laptops. This investment will replace the non-functioning devices and enable the program to effectively serve a larger student population. As the Division, College, and University strive to enhance online learning opportunities, providing students with reliable, high-quality devices is critical. Investing in these new laptops will empower CWE to uphold its high standards and deliver exceptional educational experiences, ensuring our students remain well-equipped for academic success in the digital age.

2024 - 2025 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 24(2024 - 2025)
Dell Lat 5440 i7,16 GB, 256 SSD + Accidental damage, \$1,007/Uni	5	\$ 5,035
MacBook Pro M3, 8GB 512 SSD + Apple care, \$1,657 each	10	\$16,570
Total		\$21,605

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

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

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

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

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

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

How your proposal will impact Students:

Number of students impacted: about 1,300 (1/3 Undergraduate; 2/3 Graduate).

The School of Education (SoE) at CCNY is proactively repositioning itself to respond to the evolving demands of its diverse student population. While the need for increased access to online course/program offerings is acknowledged, ensuring access to well-equipped in-person learning spaces that address changing student needs remains a top priority. The SoE continues its legacy of leading the way in integrating technology into the classroom and preparing students to effectively utilize these tools in their future classrooms.

Furthermore, as the SoE gears up for its AAQEP **accreditation visit in Spring 2025**, it remains committed to meeting professional, state, and institutional standards by providing students with access to appropriate technology and essential technological competencies that positively impact student learning. Addressing the needs of the increasing number of students eligible for accommodations is also of paramount importance.

In recent years, efforts have been focused on ensuring students have the necessary technological tools to meet program and professional requirements. However, it is now imperative to upgrade computer labs to provide multiple preparation and review sites for the computerized assessments that students must demonstrate proficiency in before graduation. Continued access to all students, regardless of their preferred learning platform (face-to-face or online instruction), is crucial. Additionally, the SoE aims to implement strategies to support students, minimize stop-outs, and ensure timely program completion.

Project Description:

This proposal aims to replace the existing 17 desktop systems with newer, more advanced models to ensure our students are adequately prepared with the necessary technological skills

and competencies for classroom readiness. By investing in up-to-date hardware and software resources, the LTRC lab will provide a state-of-the-art learning environment that empowers students to develop proficiency in the latest educational technologies. This proactive approach aligns with the School's commitment to delivering high-quality education and equips our graduates with the competitive edge they need to thrive in modern classroom settings.

Moreover, the remodeled LTRC lab will serve as a dynamic hub for hands-on training, collaborative projects, and innovative educational practices. It will foster an environment that encourages exploration, creativity, and the integration of technology into instructional methodologies, ultimately enhancing the overall learning experience for our students.

2024 - 2025 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 24 (2024 - 2025)
Prec. 3660, i7, 16 GB, 512 SSD, P2424HEB + Extended WYT, \$1,272	17	
Total		\$21,624

21. MCA Computer Lab Upgrade for Room SH-461

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

B. Please select one - Who proposed: 6. Faculty & Staff

C. Person Responsible for Project(s): Barbara Nevins Taylor
Telephone Number (212) 650-7326
Email: bnevinstaylor@ccny.cuny.edu and smei@ccny.cuny.edu

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

Department(s)/division Affected: Media & Communication Arts – Division of Humanities

How your proposal will impact Students:

As a media-centric department, many courses require the latest software, including Adobe Creative Cloud. We conduct AD/PR and Journalism classes in the computer lab, SH-461, where the current computers are outdated and disrupt students' work on essential applications such as Adobe Premiere, Photoshop, InDesign, and Audition. These applications often fail to load properly or experience glitches, hindering students' ability to meet deadlines and complete their work efficiently. The outdated equipment directly interferes with teaching, learning, and student outcomes.

The SH-461 lab experiences heavy traffic, with students working on projects during open hours and preparing for journalism stories and client pitches. With Journalism transitioning from a minor to a major concentration starting in Fall 2024, students must have access to functioning computers that support and complement their education and practical experience.

Project Description:

We propose upgrading all the computers in the lab, including the instructor's workstation, to the latest Apple iMac models featuring a 4.5K Retina Display (24-inch), M3 chip, 16GB RAM, and 256GB SSD storage. These state-of-the-art iMacs will provide our students and instructors a powerful and efficient computing experience. Furthermore, we request the inclusion of 20 adapters to accommodate the need for USB ports and SD card readers, as the new iMacs lack these features. Our students heavily rely on these ports to transfer data from cameras to their hard drives, a critical aspect of their media production workflows. The improved hardware will enable seamless execution of resource-intensive applications, such as video editing, graphic design, and multimedia production, ensuring our students can access industry-standard tools and technologies. These new iMacs' consistent performance and reliability will foster an uninterrupted workflow, allowing students to focus on honing their skills and meeting project deadlines without the frustrations caused by outdated or underperforming hardware.

2024 - 2025 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 24 (2024 - 2025)
iMac 24" M3, 16GB ,256SSD +Apple Care: \$1,648each	17	\$28,016
Miscellaneous		
Supplies or Accessories		
B3E 7-in-1 USB-C Hub - docking station - USB-C – HDMI, \$27 ea	20	\$540
Total		\$28,556

21. A New Co-Lab Makerspace for EDM Student, Room CG-118

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

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

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

2=B Acquiring or upgrading **accessible technology**

Department(s)/division Affected:

The Department of Art's Electronic Design & Multimedia (EDM) program serves a significant student population, with over 600 students enrolled in the major. Of these, 375 are pursuing either the BFA in Electronic Design and Multimedia or the BA/Digital Design Concentration, CUNY BA, or minors in Art. Additionally, many Studio Art majors, Art minors, MCA students, CUNY BA students, and students from Computer Science and Architecture take EDM courses, reflecting the interdisciplinary nature of the program. With emerging career tracks in UX/UI design and Animation, EDM is likely to experience an increase in interdisciplinary crossover across the campus. The program has also attracted many double majors, combining disciplines such as Biology, Computer Science, Music, Advertising and Public Relations, further highlighting its versatility and relevance.

Each academic year, EDM offers approximately 75 classes (averaging 35 courses each Fall and Spring, plus summer sessions) for roughly 1400 seats, hosted within four classrooms and open labs. This significant enrollment and course demand underscore the program's popularity and the need for adequate resources to support its growth and success. Furthermore, the department's Digital Output Center (DOC) provides full-service, large-format, archival inkjet printing as a valuable resource for students and colleagues across the campus. This lab provides the printing needs of over 150 undergraduate and graduate students from various disciplines each semester, further emphasizing the department's commitment to supporting artistic and creative endeavors university-wide.

How your proposal will impact Students:

In the rapidly evolving field of digital design, students need to work with up-to-date creative technology. Consistency in technology across all our labs is crucial to ensure that students and faculty can function creatively, efficiently, and equitably. To meet industry standards, we must provide a reasonably up-to-date environment replicating what students would encounter in a professional work setting. The primary goal of our EDM program is to prepare students for employment in design and related industries, and our proposal ensures that EDM students will remain competitive as they seek opportunities as graphic designers, illustrators, creative programmers, coders, and animators.

Our students' portfolios are their calling cards in the design industry, and creating compelling portfolios would be impossible without access to modern, reliable technology. Current EDM students have secured prestigious internships at companies like Pixar, Facebook, Google, Nickelodeon, Sci-Fi Channel, AOL.com, HBO, Marvel Comics, OUT/The Advocate, Sports Illustrated, Time, Rolling Stone, and Viacom, underscoring the program's reputation and the caliber of our students. Recent EDM alumni have secured employment at esteemed organizations such as NBC Universal/Peacock, Conde Nast, Fast Company, Discovery Channel, Dow Jones, Penguin Random House, Scholastic, United Nations, The Wall Street Journal, and IDEO, further showcasing the program's success in preparing graduates for competitive design careers. By investing in up-to-date technology, we not only enhance the learning experience for our students but also ensure they are equipped with the skills and proficiencies sought after by top employers in the industry.

Project Description:

EDM is requesting necessary equipment upgrades and accessories for our teaching labs and classrooms to ensure our students are familiarized with industry-standard technologies that they will be expected to use in their careers. Our proposal includes five Dell Precision 7875 Tower Workstations and two BenQ HT3560 projectors, replacing two currently malfunctioning units. Specifically, the EDM department requests five high-end PC workstations for our labs. These workstations will facilitate the new maker space we are building, which will be available for all Art Department students. This investment will enable our students to work with cutting-edge technologies like app development, virtual reality, and resource-heavy digital rendering. These machines are critical in allowing our students to explore new machine-learning technologies, understand how the creative industry is evolving, and better position themselves to develop innovative projects. By having these powerful workstations, we can support various resources, including 3D printers, CNC routers, and rendering farms, providing our students with hands-on experience in the latest tools and techniques. As a technology-focused major, EDM is deeply committed to environmental sustainability.

2024 - 2025 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 24 (2024 - 2025)
Dell Precision 7875 T, i7,32GB, 512 SSD + Extended WYT, \$5,935	5	\$29,675
AV Equipment/Projection Devices		
BenQ H356 True 4K Projector, \$1,085 each	2	\$2,170
Total		\$31,845

22. The Artino Math Laboratory for Computational Mathematics Computer Upgrade

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

B. Please select one - Who proposed: 2. Faculty

C. Person Responsible for Project(s): David John
Telephone Number: 212 650 5347
Email: djohn1@ccny.cuny.edu

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

Department(s)/division Affected:

All students who need mathematics, especially students in the Division of Science, Grove School, Colin Powel, School of Education, Division of Humanities and the Arts.

How your proposal will impact Students:

The Artino Computer Teaching Lab serves as a vital resource for students across the college, particularly those from the Science division and the School of Engineering, due to its tutoring services and access to computers equipped with specialized mathematics software.

Approximately 300 to 400 students utilize the lab's resources weekly, underscoring its significance as a hub for academic and technological support.

To maintain the lab's effectiveness and ensure a conducive learning environment, we propose replacing twenty-five (25) outdated computers—five (5) of which are currently non-functional, and the remaining twenty are rendered obsolete due to their age and performance limitations. Investing in new, high-performance computers will enhance the learning experience for students who rely on the Artino Computer Teaching Lab for their mathematics courses and academic studies and ensure they can access the latest software and computing power required for their coursework. By providing students with modern, reliable computing resources, the Artino Computer Teaching will continue fostering an environment that promotes academic excellence, supports diverse learning needs, and prepares students for future endeavors. This investment aligns with the college's commitment to delivering high-quality educational experiences and equipping students with the tools they need to thrive in an increasingly technology-driven world.

Project Description:

The computers in the Artino Teaching Lab are severely outdated, having not been replaced in over nine (9) years. Next year, the Windows 10 operating systems on these computers will no longer be supported, and they cannot be updated to the mandated Windows 11 Operating System. Recent software updates have significantly slowed down these aging computers, hindering their performance and efficiency. Upgrading to faster, more modern computers is

essential to maintain the professionalism and efficiency of our services in the Artino Teaching Lab. Obsolete hardware and outdated software can negatively impact the learning experience, limiting students' ability to utilize specialized mathematics software and other academic resources effectively.

To address this pressing issue and ensure that the Artino Teaching Lab remains a valuable resource for students across the college, particularly those from the Science division and the School of Engineering, we request funds from the Tech Fee to replace all 25 desktops.

2024 - 2025 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 24 (2024 - 2025)
Prec. 3660 i7,32GB,512 SSD, Extended WYT and a P2422H, \$1,314	25	
Total		\$32,850

23. Photography Technology Upgrade

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

B. Please select one - Who proposed: 6. Faculty & Staff

A. Person Responsible for Project(s): Prof. Patterson Beckwith & Roberta Dorsett

Telephone Number: 212-650-7411 c. 212-228-3740

Email: pbeckwith@ccny.cuny.edu / rdorsett@ccny.cuny.edu

10=J Expand student access to current and emerging technology

Department(s)/division Affected: Art Department.

Non-Major: students from departments throughout CCNY take photography courses; we are a “service” department, meaning the vast majority (over 80%) of our students are non-majors.

We would like to enhance our lending library of cameras for students, by acquiring 15 new cameras and other loanable studio equipment. These cameras and equipment will help address the cost barriers for access to studying photography. We are also requesting an upgrade of our classroom and lab equipment, which includes two MacBook Pros and an Epson projector. All of these resources will be available to both instructors and students to use, which will help to improve the teaching and learning experience.

How your proposal will impact Students:

CCNY's photography program is one of the most comprehensive in the CUNY system, offering over 40 course sections annually. The curriculum spans from introductory to advanced levels, including specialized topics like Studio Lighting, Large-format Photography, Photography Portfolios, and Projects. Both Art majors (BA, BFA, MFA) and non-majors (over 80% of undergraduates) benefit from these courses. However, the Photography Area's facilities have not seen major improvements in over 25 years, resulting in outdated equipment. While the 2020-2021 technology fee has initiated updates, significant gaps remain due to years of austerity. To make CCNY's photography programs more competitive, we propose acquiring:

1. 15 loaner cameras for students
2. Two laptops for in-class and take-home use
3. A brighter, eco-friendly laser projector
4. Portable lighting equipment (also for loan)

This proposal addresses two key issues:

1. Access to Current Technology: Photography's rapid technological evolution demands up-to-date equipment. We aim to introduce "tethering" technology—software and hardware allowing students to share, modify, and analyze images on laptops—in more course sections.

2. **Financial Accessibility:** Photography can be costly, with students required to purchase cameras and materials. By providing loaner equipment, we reduce overall costs, enabling more students to participate who might otherwise be deterred.

The benefits extend beyond current students. By fostering access to professional equipment, we hope to nurture future photographers who might never have realized their potential or interest in the medium. Moreover, this proposal is perfectly timed. Our new Photography Concentration has dramatically increased demand, making these upgrades not just desirable but necessary. Crucially, we're equipping students with digital portfolio skills—a non-negotiable asset in today's job market.

Project Description:

We propose a comprehensive upgrade to our Photography Area, replacing outmoded equipment with state-of-the-art technology in two classrooms. Our goal is twofold: to equip all instructors and students with cutting-edge tools, and to immerse students in industry-standard workflows, preparing them for entry-level positions in the field.

Our request includes:

1. Apple Laptops: for Tethering
2. 15 Loaner Cameras: that will be loaned and used by over 100 students/semester
3. Portable Lighting Equipment: Available for student use outside of class
4. Modern Epson Laser Projector: brighter and more environmentally friendly as they do not require replacement bulbs.

2024 - 2025 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 24 (2024 - 2025)
MacBook Pro 14" -M3- 16 GB, 512 GB SSD + 3yrs =\$1,905	1	\$ 1, 905
Apple 10.9 iPad, 10 th Gen, 64 GB + 3Yrs= \$512	4	\$ 2, 048
MacBook Pro 14" M3,14 C-30 GPU, 36 GB, 8 TBSS+ 3 yrs = \$5,706	2	\$11,412
Sub-total		\$15,365
Peripherals		
Epson PowerLite L265F 1080p 3LCD Lamp-Free Laser y Projector	1	\$1,459
Miscellaneous /Accessories		
Heavy-Duty Air-Cushioned Light Stand - \$55	2	\$110
Savage #27 Thunder Gray Seamless Background Paper - \$64	2	\$128
Glow EZ Lock 24"x36" softbox Bowen's mount - \$99	2	\$198
Yonguo 600EX-RT II - \$75	3	\$225
SanDisk SD Card 32 GB - \$11.40	25	\$285
Yonguo 560 III - \$138	3	\$414
FUJIFILM EF-X500 Flash and Mini Softbox Kit	1	\$457
Interfit honey badger lights - \$330	3	\$990
FUJIFILM GF 45-100mm f/4 R LM OIS WR Lens	1	\$1,799
FUJIFILM GFX 50S II Medium Format Camera with 35-70mm Lens	1	\$3,499

Canon EOS Rebel T7 DSLR (18-55mm&75-300mm Lenses) - \$599	15	\$8,985
Sub-total		\$17,090
Eaton Tripp Lite Series USB 5-Pin Mini-B to USB-C Cable - USB 2.0 (M/M), 6 ft. (1.83 m) - USB-C cable - 24 pin USB-C	1	\$11
C2G 15ft USB to Micro B Cable - USB 2.0 to Micro-B Cable - M/M	1	\$14
C2G 12ft USB C to USB Micro B Cable - USB C to Micro B - M/M - Black	1	\$26
Eaton Tripp Lite Series USB-C Cable (M/M) - USB 3.2, Gen 1 (5 Gbps), 10 ft. (3.05 m) - USB-C	1	\$29
Plugable 7-in-1 USB C Hub Multiport Adapter - 100W Charging	1	\$38
CODi Rugged Case for 10.9" Gen10 iPad - \$24 each	3	\$72
Apple Smart - flip cover for tablet	1	\$75
Sub-total		\$265
Total		\$34,179

24. Introducing bioassay techniques using microplate readers into the biology curriculum

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

B. Please select one - Who proposed: 6. Faculty & Staff

C. Person Responsible for Project(s): Fardad Firooznia
Telephone Number : (212) 650-6580
Email: ffirooznia@ccny.cuny.edu

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

Department(s)/division Affected: Biology/ Science.

How your proposal will impact Students:

The Department of Biology is committed to equipping our students with cutting-edge, industry-standard skills to ensure their competitiveness in the job market, whether they choose immediate employment or further education in graduate or professional schools. Maintaining state-of-the-art teaching facilities is crucial in today's rapidly evolving field of analytical laboratory technologies. We have identified a critical need: the GloMax® Discover Microplate Reader. This single, versatile instrument will significantly modernize key teaching laboratories, including:

1. Biological Foundations I (Bio 10100) - a core course for all biology, psychology, and biomedical engineering majors, including CUNY School of Medicine students.
2. Laboratory in Biotechnology for undergraduates (Bio 48300) and master's students (Bio A8300).

Beyond these courses, the microplate reader will also be a vital resource for undergraduate and master's students conducting independent research. With an expected lifespan of 5-10 years and an annual user base exceeding 800 students, this investment in the GloMax® Reader will have a profound, long-lasting impact on our students' education and career readiness.

Project Description:

The GloMax® Discover Microplate Reader is a multimode® microplate reader with advanced detection capabilities. This instrument allows for measuring fluorescence, luminescence, and absorbance (in both the UV and visible wavelengths) using a simple touch screen with full PC capabilities, including user authentication and authorization and data exportation to any drive or the cloud. Microplate readers will be an important addition to the technology we use to teach our students modern techniques in biology and provide many more options than the standard spectrophotometers used to date. Microplate readers are routinely used in biotechnology, pharmaceutical research, and healthcare settings. They are used to carry out assays such as ELISA (used in detecting antigens), cell viability assays, reporter gene assays, energy metabolism assays, enzyme kinetic assays, and quantitation of proteins, DNA, and RNA. Using microplate readers in the teaching laboratory allows our students to learn new

analytical laboratory techniques, test large numbers of samples quickly, and use smaller volumes of chemicals (as low as 5 microliters), which will reduce hazardous waste generation. Teaching our students how to use such modern techniques helps prepare them for future careers in research and health care.

The Department of Biology currently has one older microplate reader that is used for research. A handful of research students have used the microplate reader and learned some of the techniques based on their research project. However, we would like to introduce the technology and the technical assays to all of our students early in the curriculum, not just a few performing honors or independent study research. We typically run at least lab sections of Bio 10100 and Bio 22900 simultaneously, with up to 75-100 students needing a microplate reader at the same time. Therefore, it has been impossible to incorporate this technology and associated laboratory techniques into the curriculum with only one microplate reader to share. Adding a second microplate reader will provide the flexibility to do that. Additionally, this particular model will introduce our students to state-of-the-art technology.

2024 - 2025 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 24 (2024 - 2025)
GM3000 - GloMax(R) Discover System Fully Loaded -	1	
Total		\$40,119

25. Creation of a 2nd Gaming Pathway Lab

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

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

Person Responsible for Project(s): Prof. Nick Fortugno & Ervin Vazquez
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 division.

How your proposal will impact Students:

The Gaming Pathways department is experiencing unprecedented growth, with student enrollment in game design and development courses surging. This rapid expansion reflects the industry's booming demand and our program's rising reputation. Our computer lab is approaching maximum capacity, threatening to bottleneck our students' learning experiences and impede their project completion.

Current enrollment stands at 118 students across nine sections. Fall 2024 projections indicate potential growth to 11 sections (22% increase) with at least 100+ students, excluding incoming freshmen. These figures underscore our program's robust health yet signal a need. As our enrollment climbs, particularly with the influx of incoming freshmen not yet factored in, we risk compromising the quality of our instruction. Our lab's limitations could restrict hands-on learning time, delay project timelines, and ultimately, dilute the cutting-edge skills our students need to excel in the competitive game industry.

Project Description:

We propose establishing a second, dedicated computer lab to address our critical space limitations and support our rapidly expanding Gaming Pathways program. The funds will ensure that each student has the resources to innovate, create, and refine their projects—the very portfolios that will launch their careers. We are requesting funds to equip this new lab with 21 high-performance gaming desktops. These state-of-the-art computers will provide the necessary processing power and graphics capabilities to: (1) Ensure all students have access to essential resources for assignments and project development and (2) Facilitate teamwork and collaboration on complex game design projects within a dedicated lab space.

2024 - 2025 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 24 (2024 - 2025)
Dell Desktop/ PCs Alienware Aurora R16 Gaming Desktop + 27" Monitor -G2724D, \$2,700 each	21	
Total		\$56,700

27. Writing Center Technology Upgrade

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

C. Please select one - Who proposed: 7. Students/Faculty & Staff

D. Person Responsible for Project(s): Stephanie Jean-Stern

Telephone Number: 212-650-8542

Email: sjean@ccny.cuny.edu

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

Department(s)/division Affected: Writing Center and all academic departments and divisions as the Writing Center is open to all registered CCNY students.

How your proposal will impact Students:

The City College Writing Center is vital in supporting undergraduate and graduate students by offering individualized tutoring for course writing assignments and personal statements. However, outdated technology currently hinders our ability to provide an optimal learning environment for student success. Our current computers and chairs haven't been upgraded in over a decade, which creates several challenges. The desktop computers are no longer functioning, and our IT department can no longer update the software, run security patches or install the new Anti-virus software, XDR or the new Windows 11 OS. Programs like web browsers and Microsoft Office applications take a long time to open, leading to frustration and wasted time during tutoring sessions. The deteriorated chairs can detract from student comfort and concentration during tutoring sessions.

Project Description:

Our Writing Center has been a cornerstone of academic support for over a decade, helping countless students refine their writing skills. However, our aging technology—last upgraded over ten years ago—is now impeding our mission. Students seeking guidance during critical tutoring sessions are met with frustratingly slow computers, where even basic applications like web browsers and Microsoft Office take too long to load. To revitalize our center and dramatically enhance the student experience, we request funds for a comprehensive technology and comfort upgrade: (1) 43 New Dell Desktops with the Latest-gen processors for lightning-fast application launches and online resources. (2) 10 Laptops to be used for student-tutor collaboration and potential use in specialized online tutoring sessions. (3) A new printer for students to produce polished drafts and receive feedback on their writing and (4) 70 new chairs to enhance student well-being and create a more conducive learning environment for focus during tutoring sessions.

This upgrade ensures that when students seek help, they're met not with technological hurdles but with tools that streamline their path to better writing. It reaffirms our commitment to providing a sanctuary where ideas flow freely, drafts evolve rapidly, and every student can engage fully in the art of writing.

2024 - 2025 Fiscal Year Budget:

Items	Qty	Cost
Hardware		Year 24 (2024 - 2025)
Dell Lat 5440 i7,16 GB, 256 SSD + Accidental damage, \$1,007/Unit	10	\$10,070
Dell Precision 3660, i7,16GB, 512 SSD + 24" monitor=\$1,221	43	\$52,503
Sub-total		\$62,573
Peripherals		
Printers	1	\$1,099
Miscellaneous/Accessories/Supplies		
Computer Chairs, \$138/chair	70	\$9,660
Total		\$73,332

28. 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 \$1,620,940 to sustain the FY 2025 Student Technology Internship Program (STIP). This amount includes a 14% allocation for fringe benefits and accommodates the recently approved District Council 37 salary increase. The funds will ensure the program's continued success in providing students with valuable tech industry experience."

Project Description:

Established in 2002, the Student Technology Internship Program (STIP) provides the IT technological needs for general student computer labs, smart- classrooms, AV support, and other technical assistance services throughout the college to hundreds of faculty and students daily. Far more than a support service, STIP is a symbiotic ecosystem where technology and talent converge, driving our institution's digital evolution while nurturing the next generation of IT professionals. These interns are the human face of our IT services.

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.

The program's five major components, detailed below with their funding requests, represent strategic investments in this dual mission—empowering our campus technology while launching the careers of tomorrow's tech leaders.

Student Tech Interns Program	No. of Staff	Percentage	Total Cost/yr.
1. Academic Technology Services (ATS) - Classroom Support	2	4	\$ 62,750
2. Reservation Desk/ iMedia	5	12	\$ 171,870
3. Service Desk (Tier 1)	5	18	\$ 257,260

4. College-Wide & Divisional Tech Support	10	29	\$ 407,699
5. College Wide & Divisional Computer Labs Support	21	37	\$ 522,298
Sub-total	43	100	\$ 1,421,877
Fringe Benefits		14%	\$ 199,063
Grand Total			\$1, 620,940

1. Academic Technology Services (ATS) Classroom Support

ATS leads the design and deployment of cutting-edge audio-visual (AV) technology across campus, enhancing learning spaces from smart classrooms and lecture halls to conference rooms, auditoriums, and outdoor areas. Their expertise extends to managing the campus-wide Digital Signage network, ensuring timely and engaging communication. Additionally, ATS serves as a strategic partner to faculty and administrators, offering expert guidance on integrating advanced AV technology to optimize instructional effectiveness and student engagement.

2. iMedia Reservation Desk

The Reservation Desk is CCNY's hub for state-of-the-art audiovisual (AV) resources, aligning its services with the college's academic, research, and community-driven mission. Core functions include:

1. Managing high-demand Laptop Loaner Programs for students and faculty
2. Overseeing video conferencing services and the Zoom teleconferencing platform
3. Supporting classroom AV technology and loaning essential equipment (e.g., AV cables, VIA Wireless Presentation devices)

Additionally, the team collaborates cross-functionally within OIT to:

- Test and document remote learning and telecommuting technologies
- Streamline and enhance training resources for CUNY/CCNY digital platforms (Zoom, CUNY Device Loaner Portal)

This strategic approach ensures seamless technology access, fostering a dynamic learning environment."

3. OIT Service Desk

Since its revamp in the summer of 2011, the Office of Information Technology (OIT) Service Desk has become CCNY's central hub for all IT Level 1 needs. This one-stop-shop efficiently addresses the diverse technology requirements of students, faculty, and staff, particularly enhancing support for our student community.

Core Services:

- Primary point of contact for IT assistance
- Comprehensive troubleshooting and issue resolution
- Support for laptops, mobile devices, software, hardware, and operating systems

- Distribution center for campus-wide site-licensed software

Expert Technical Support:

- Tier I support via phone, email, and Zoom
- Issue screening, prioritization, and escalation
- CUNY application installation assistance
- CUNYfirst, CUNY Portal, and Blackboard troubleshooting
- Mobile device email configuration
- Level I and select Level II email support

The OIT Service Desk's streamlined approach ensures that the CCNY community receives prompt, effective IT solutions, fostering a smoother technological experience for all.

4. OIT and School/Division Client Services Support

When issues exceed the OIT Service Desk's scope, they are seamlessly escalated to our specialized Client Services teams. These dedicated IT support analysts, embedded within each academic division and administrative office, provide advanced Tier 2 and 3 technical support. They skillfully handle complex issues, escalating to the appropriate unit when necessary for in-depth evaluation and resolution. They are dedicated to delivering high-quality, customer-friendly service. Their strategic placement across the college ensures that every sector receives personalized, expert support, maintaining CCNY's technological efficiency.

Services Offered:

- Expert hardware and software troubleshooting
- Tailored technical assistance for administrators, faculty, staff, and students
- Deployment and maintenance of:
 - Computer hardware
 - Software suites
 - Peripherals (printers, scanners, displays)
- Intermediate troubleshooting of:
 - Network issues
 - Server issues

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

OIT employs teams of 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.

(1). College-Wide- Student Computer Labs

The CITY Tech Center (located on Cohen Library's ground floor)'s design prioritizes both technology and space. Its varied configurations cater to individual work styles and foster collaboration, making it CCNY's premier hub for:

- Computing needs
- General-purpose learning
- Cross-disciplinary instruction (Economics, Engineering, Psychology, English)

This cutting-edge learning hub offers:

- 300+ workstations
- 2 Active Learning Classrooms (ALCs)
- 10 media study rooms (6-person capacity, flat-panel displays)
- 16 dual-person study pods (Windows & Mac)
- 3 smart classrooms (dozens of workstations, HD projectors, AV-enabled podiums)
- Numerous single-use desktops and wireless stations
- Laptop loans for students who use the ALC rooms
- Full suite of site-licensed software such as Adobe CC, MathWorks, MatLab, SAS, SPSS, Microsoft Office Suite, etc

(2). Divisional Student Computer Labs

OIT's divisional staff extends expert support to CCNY's specialized labs, ensuring each discipline's unique computing and printing needs are met. Our dedicated team maintains:

Academic Labs:

- Education (NAC 4/226)
- Engineering CAD (ST-216)
- Electrical Engineering (ST-269)
- Science (MR-829)
- Architecture CAD (SSA 3rd floor)

Student-Centric Spaces:

- Accessibility Lab (NAC 1/216)
- Graduate Student Government
- Undergraduate Student Government

Each lab is outfitted with discipline-specific hardware, software, and peripherals, reflecting OIT's commitment to providing tailored tech solutions. Whether it's CAD workstations for engineering/Architecture or assistive technology in our accessibility lab, we ensure every student has the tools they need. All labs are accessible throughout CCNY's standard hours, maximizing student access to these critical resources.

Below is the Student Technology Interns Program budget breakdown for FY 2025

Position Title	Pay Rate/Hr	Hrs/Yr	(AL+SL)	No. of Position(s)	Total Cost/position	Total Cost
Academic Technology/Classroom Tech Support						
College Assistant	\$ 18.00	1000	117	1	\$ 20,106	\$ 20,106
Hourly IT Support	\$ 24.48	1560	182	1	\$ 42,644	\$ 42,644
				2		\$ 62,750
Reservation Desk - iMedia						
College Assistant	\$ 18.00	1000	117	3	\$ 20,106	\$ 60,318
Hourly IT Support	\$ 27.68	1560	220	1	\$ 49,270	\$ 49,270
Hourly IT Assist. 1	\$ 34.99	1560	220	1	\$ 62,282	\$ 62,282
				5		\$ 171,870
Service Desk						
Hourly IT Support	\$ 27.68	1560	182	2	\$ 48,219	\$ 96,438
Hourly IT Support	\$ 27.68	1560	220	2	\$ 49,270	\$ 98,540
Hourly IT Assistant	\$ 34.99	1560	220	1	\$ 62,282	\$ 62,282
				5		\$ 257,260
College-Wide/Divisional Tech Support						
College Assistant	\$ 18.00	520	61	1	\$ 10,458	\$ 10,458
College Assistant	\$ 18.00	1040	147	2	\$ 21,366	\$ 42,732
Hourly IT Support	\$ 24.48	1560	182	2	\$ 42,644	\$ 85,288
Hourly IT Support	\$ 27.68	1560	182	3	\$ 48,219	\$ 144,657
Hourly IT Assistant	\$ 34.99	1560	220	2	\$ 62,282	\$ 124,564
				10		\$ 407,699
College-Wide/Divisional Students' Labs Support						
College Assistant	\$ 18.00	600	70	6	\$ 12,060	\$ 72,360
College Assistant	\$ 18.00	920	107	2	\$ 18,486	\$ 36,972
College Assistant	\$ 18.00	1000	117	7	\$ 20,106	\$ 140,742
College Assistant	\$ 18.00	1000	141	1	\$ 20,539	\$ 20,539
Hourly IT Support	\$ 24.48	1560	182	1	\$ 42,644	\$ 42,644
Hourly IT Support	\$ 27.68	1560	182	1	\$ 48,219	\$ 48,219
Hourly IT Support	\$ 27.68	1560	220	2	\$ 49,270	\$ 98,540
Hourly IT Assistant	\$ 34.99	1560	220	1	\$ 62,282	\$ 62,282
				21		\$ 522,298
						\$ 1,421,877
Fringe (14%)						\$ 199,063
Grand Total				43		\$1,620,940

Student Technology Fee Advisory Committee Members

The Technology Fee Advisory Committee, a 32-member panel with a majority of students, ensures that these student-generated funds fuel CCNY's technological advancement in a way that prioritizes student achievement. This committee is tasked with reviewing and approving technology-related projects, as well as advising the Office of the President on the allocation and expenditure of Technology Fee revenues.

Member Composition:

- Students **(17)**
 - Undergraduate: 14
 - Graduate: 3
- Faculty: **(5)**
- Administration: **(8)**
- Ex-Officio Members: **(2)**

Leadership:

Chair: Provost, Dr. Tony Liss and Sr. VP/COO, Scott Gurba

Co-Chairs: VP & CIO of Information Technology, Ken Ihrer, and VP & CFO of Finance and Administration, Ismael Perez

Student Representatives

Aila Choudhary, USG VP of Campus Affairs

Alic, USG Representative

Asif Sattar, President USG

Edwin Cepeda, Und. Engineering Representative

Khizar Imran, USG VP of Finance

Angel Torres, Und. Science Representative

Louis Olivares, USG Senator at-Large

Jerry Vaughn, USG Senator at-Large

Eugene Saturchenko, Und. Honor Program Representative

Ishika Nawar, Und. Honor Program Representative

Jason Villareal, Und. Honor Program Representative

Miguel Arias, USG VP of Academic Affairs

Omar Kifaieh, USG CLAS Senator

Steven Polanco, USG Representative

Bianca Jones, GSG Secretary

Kevin Brown, GSG Executive Chair

Tinnycua Williams, GSG Vice Chair of Community Affairs

Faculty Representatives

Prof. Pilar Newton, Humanities and Arts

Prof. Jacek Dmochowski, 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

Ramon De Los Santos, AVP of Student Affairs

John Carrero, Library

Mohammad Ahmad, School of Architecture

Doris Grasserbauer, School of Education

Ex-officio Member

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

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