
CYBER SECURITY SUMMIT

Eugenio María de Hostos Community College
The City University of New York

Bronx, NY United States

June 8, 2023



Statement of Purpose

Today's Cybersecurity Industry Summit is held in a series of industry summits hosted by President Daisy Cocco De Filippis and Chair Elias Alcántara (Community Advisory Council). The series brings together business and academia in the areas of Allied Health Sciences, Community Health, Arts Administration, Engineering, Cybersecurity, and Financial Services to establish a forum for the development of relevant curriculum that serves the needs of the employers in our service area and prepares our students to become successful professionals with rewarding careers. Today's event provides Hostos faculty and students an opportunity to discuss the skills, education and future outlook in the field of cybersecurity.

Cybersecurity is a growing industry that connects and relates to all fields and disciplines and is a part of our everyday lives. Under the leadership of the Math Department, we are excited to develop a new Cybersecurity program that we aim to offer to our students in the coming academic year. Our program will connect with the work of our Continuing Education and Workforce Development division, will include certifications and credentials, and will also articulate with New York City College of Technology. This summit is a welcomed opportunity to share our work with industry partners. We look forward to conversations today that will enable us to make connections and garner insights from experts in the field so that we can offer our students clear pathways to successful careers in Cybersecurity. Thank you for being here with us today as we work together to prepare our students for the future.

Partners, Departments, and Programs Represented

*of Hostos Community College, CUNY

Academic Affairs*
 Administration & Finance*
 Accelerated Studies in Associate Programs*
 Ascot Group
 Behavioral and Social Sciences Department*
 The Bronx Community Foundation
 Career Services*
 Communications Office
 Community Relations Office*
 Cyber Security Degree Program*
 College Now*
 Computer Science Students*
 Continuing Education and Workforce Development*
 Education Department*
 English Department*
 Federal Bureau of Investigation
 Institutional Advancement*
 iQ4

Information Technology*
 Office of the President*
 Office of School College Partnerships*
 K2 integrity
 Mathematics Department*
 Proyecto Access STEP/CSTEP*
 Public Policy and Law Unit*
 Public Safety*
 SDEM / Admissions and Recruitment*
 STEM & Dual Degree Office*
 Student Success Coaching Unit*
 Writing Center*

Cyber Security Summit Planning Committee

Vice President & Provost Shiang-Kwei Wang, Chair
 Professor Nieves Angulo
 Dean Babette Audant
 Ms. Sarah Brennan
 Mr. Sam Byrd
 Dean Andrea Fabrizio
 Vice President Evelyn Fernandez-Ketcham
 Ms. Melanie Garcia
 Professor Ernest Ialongo
 Professor Moise Koffi
 Ms. Diana Kreymer
 Ms. Estel Ortega Fredrick
 Professor Amy Ramson
 Ms. Lisanette Rosario

Thank You!

A La Carte Catering
 Conference Center
 Employers
 Facilities and Maintenance
 Industry Partners
 Office of President
 Office of VP & Provost for Academic Affairs
 Office of VP for Student Development and Enrollment Management
 Office of VP for Continuing Education and Workforce Development
 Office of SVP for Administration and Finance
 Printing Center
 Public Safety

PROGRAM

Thursday, June 8, 2023

9:00AM to 12:00PM

Savoy Multi-Purpose Room, D Building
120 East 149th Street | Hostos Community College
The City University of New York | Bronx, NY

8:45AM Breakfast/Networking**9:00AM Welcome and Introduction/Master of Ceremonies**

Elias Alcantara, Chair, Hostos Community Advisory Council

9:05AM Greetings

Daisy Cocco De Filippis, Ph.D., President, Hostos Community College

9:15AM Keynote Employer Speaker

Elizabeth Sampson, Head of Enterprise Technology and Cybersecurity, Macquarie Asset Management

9:35AM Overview of Cybersecurity Programs at HCC

Shiang-Kwei Wang, Ph.D., VP and Provost of Academic Affairs, Hostos Community College

Cybersecurity Faculty Presentations

Nieves Angulo, Professor and Chair Mathematics Department; Moise Koffi, Associate Professor and Deputy Chair Mathematics Department; Amy Ramson, Professor Public Policy and Law; Andrea Fabrizio, Associate Dean of Academic Affairs

Cybersecurity Options at HCC (OAA/CEWD): Matriculated and Non-matriculated Programs

Sam Byrd Director, Alternative Degree Pathways; VP Evelyn Fernández-Ketcham, Continuing Education and Workforce Development

10:00AM Public Sector Cybersecurity Career Pathways

Babette Audant, Ph.D., Dean of Academic Affairs and Institutional Effectiveness Hostos CC; Anthony R. Shearer, CID; Dawn Norris Doak, CID; Vineet Gill Singh, CJISD; Michael S. DeNicola, NY; Noel Francis, CID

10:30AM Navigating Private Sector Cybersecurity Career Pathways

Lisanette Rosario, Director of Hostos Career Services; Shalom Cohen, Owner & President, Ez Tech Assist; Jouly Lajara, Senior Associate, Pricewaterhouse Coopers, PwC's, Cybersecurity Strategy, Risk and Compliance National Consulting Practice

11:00AM Break**11:10AM Round Table Discussions**

Babette Audant
Round 1 (15 min)
Round 2 (15 min)
Large Group Sharing (10 min)

11:45AM Next Steps: Where do we go from here?

Andrea Fabrizio
What are your major take-aways?
What are your remaining questions?
What needs to be explored further?

ROUND TABLE DISCUSSIONS GUIDE

Moderator Dean Babette Audant

Table 1: Admitting and Advising Cyber Security Majors

Will discuss how our students can have a clear understanding of the cyber security program and what's needed to be prepared and strategies for recruitment efforts

Sam Byrd (F) | La Toro Yates (A) | Ernest Ialongo (N)

Questions

- How do we market/communicate cyber security curriculum to students?
- What are the kinds of experiences students should look for outside of the classroom to enhance their in-class learning? (internships, work, cyber ranges/hackathons)
- What advice would you give to our students who are aspiring to become cybersecurity professionals?
- Are there certain programming languages or software suites that you consider essential for a cybersecurity professionals?
- Are you aware of internship opportunities for students to engage with your industry/organization that we can develop and promote

Table 2: Strengthening Employer Partnerships

This discussion will focus on building connections with employer partnerships and discussing strategies for fostering these relationships.

Lisanette Rosario (F) | Sofia Oviedo (A) | Elizabeth Wilson (N)

Questions

- Based on our conversations and presentations today, do you feel there is a clear alignment between our curriculum and industry needs?
- What are the top technical skills a student would need to demonstrate when applying for a job?
- Can an AS in Cybersecurity graduate get a job right after graduation? And if yes, what are the job titles?
- What is the impact of AI on the Cybersecurity field? How do you foresee the field of cybersecurity evolving in the next decade?
- What is the job outlook for Cyber fields in the next five years?
- Are you aware of internship opportunities for students to engage with your industry/organization that we can develop and promote?

Table 3: Career Pathways

This discussion will focus on strategies for making the pathways to careers for our students clear and to ensure we are fully preparing them for Cyber and Cyber related careers.

Facilitator: Amy Ramson | Travaras Geter (A) | Eileen Will (N)

Questions

- Based on our conversations and presentations today, do you feel there is a clear alignment between our curriculum and career pathways?



- How do you evaluate a potential employee's skill set? For example, do they solve an issue in real time? Do you review portfolios or other formats of previous work/projects/websites?
- What are the kinds of experiences students should look for outside of the classroom to enhance their in-class learning? (internships, work, cyber ranges/hackathons)
- Are you aware of internship opportunities for students to engage with your industry/organization that we can develop and promote?
- What steps should our student support offices (i.e., career services, transfer services) take to stay relevant and aligned with the needs of the cybersecurity industry?

Table 4: Industry Standards

In this discussion we will focus on ensuring that what we are offering our students aligns with industry standards.

Evelyn Fernandez-Ketcham (F) | Nieves Angulo (A) | Sarah Brennan (N)
Questions

- Among your current team of employees, what level of degrees do they have and are specific certificates viewed as equivalent to degrees, or required in addition to degrees, or irrelevant to your hiring decisions?
- Are certain degrees needed for prospective employees set at your firm or do you value proficiency in certain skills more? (An industry partner said the latter was more important to him than the particular degree)
- Which certifications do you require for entry-level employees?
- Are you aware of internship opportunities for students to engage with your industry/organization that we can develop and promote?

Table 5: Curriculum & Articulations

In this discussion we will focus on the alignment of our curriculum with industry needs. Will our developing Cyber program prepare our students for Cyber and Cyber related fields?

Andrea Fabrizio (F) | Anders 'AJ' Stachelek (A) | Karla Contreras (N)
Questions

- Based on our conversations and presentations today, do you feel there is a clear alignment between our curriculum and industry needs?
- What are the kinds of experiences students should look for outside of the classroom to enhance their in-class learning? (internships, work, cyber ranges/hackathons)
- Are you aware of internship opportunities for students to engage with your industry/organization that we can develop and promote?
- Are there certain programming languages or software suites that you consider essential for a cybersecurity professional?
- Are we keeping our students on track through our curriculum?
- Are there opportunities to expand articulations?
- Where do you see cybersecurity fitting in with your discipline?

NOTES



NOTES



CYBER SECURITY IN THE CURRICULUM AT HOSTOS

DRAFT Courses and Semester Sequence for Associate in Science in Cybersecurity

| Curriculum for Cybersecurity Degree Program | | | |
|---|--------------------------|---|---|
| Year 1: First Semester | | | |
| ENG 110 - Expository Writing | 3 | | |
| MAT 160 - Pre-calculus | 4 | | |
| HIS 210 - History | 3 | | |
| PSY 101- Intro to PSY or SOC 101-Intro to SOC | 3 | | |
| CSC140 - Intro to Computer and Programming | 3 | | |
| Semester Credits | | 16 | |
| Year 1: Second semester | | | |
| ENG 111-Literature & Composition | 3 | | |
| MAT 210 - Calculus I | 3 | | |
| CSC 205-Discrete Mathematics | 4 | | |
| CST 150 -Database System Fundamental | 3 | | |
| CST 160- Operating System Fundamental (A+ Module) | 3 | | |
| Semester Credits | | 16 | |
| | Computer Science Courses | | |
| | Cyber Security Courses | | |
| | Industry Credentials | | |
| | | Year 2: Third Semester | |
| | | CSC 215- Modern Programming | 3 |
| | | C J201: Issues in Law Enforcement | 3 |
| | | COM 101-Fundamental of Public Speaking | 3 |
| | | CST 220 – Networking Fundamental (Network + Module) | 3 |
| | | CST 230 -Web Programming I | 3 |
| | | Semester Credits | |
| | | 15 | |
| | | Year 2: Spring Semester | |
| | | PHY 110 - Physics | 3 |
| | | HUM 100 - Humanities | 3 |
| | | CST 240 - Intro to Cybersecurity (Security + Module) | 3 |
| | | CST 250 -System Administrator (UNIX/Linus) (Linux + Module) | 3 |
| | | CST 260 - Cybersecurity Project | 1 |
| | | Semester Credits | |
| | | 13 | |

CYBER SECURITY COURSES STUDENT LEARNING OUTCOMES

- Students will demonstrate fluency in creating views for database modifications and ensuring database security
- Students will demonstrate efficiently solving database problems using the oracle DBMS, and write SQL commands to create, insert, update, and retrieve data from a simple database.
- Students will demonstrate proficiency in manipulating files and folders with the OS Windows and Linux Command Line Interfaces.
- Students will demonstrate fluency in describing the fundamentals of networking, and focus on the OSI model's layer functions, and different network protocols and topologies
- Students will demonstrate proficiency using various HTML tags to embed videos, audio, images, lists, and tables and create static web pages.

- Students will demonstrate proficiency in writing JavaScript code using decision statements, looping statements, images, arrays, functions, and events handling.
- Students will demonstrate proficiency in creating forms and checking for data accuracy and web sites deployment
- Students will be able to understand external and internal information security threats to an organization.
- Students will demonstrate fluency with policy structures, guidelines, standards, security awareness, and their importance.
- Students will demonstrate proficiency in creating and managing files and directories, in setting and using file permissions, and navigating the Unix/Linux file system.
- Students will demonstrate proficiency in controlling Linux OS from Command Line Interface (CLI) as well as Graphical User Interface (GUI).
- Students will implement appropriate techniques to manage and maintain secure data storage.
- Students will recognize system vulnerabilities and associated risks to ensure system security.

SENATE APPROVED CYBERSECURITY COURSES - MARCH 2023

CSC 140: Introduction to Computer Science

Pre-requisite ENG 100/CPI; Co-req MAT 150

Computer problem solving and programming in a high-level language such as Java is introduced. Algorithmic problem solving and basic programming techniques are emphasized. Problems are solved using methods such as top-down design and stepwise iterative refinement. Programming topics include basic data types, operators and expressions, control structures, functions, and arrays. Students are introduced to the concepts of classes and objects in the computer lab and are expected to complete several programming projects.

CST 150: Fundamentals of Database Systems

Pre-requisite: CSC 140

This course introduces students to the role and place of databases in Information Systems (IS). The course explains the advantages of databases compared to file systems, describes the basic functionality of the Database Management Systems (DBMS)--the special software needed for running a database, and shows how a database functions with other parts of the IS. The course concentrates on relational databases (RDB), explains the organization of data within tables in the RDB, and the role of the integrity constraints: the primary and foreign keys. The major portion of the course is concerned with Structured Query Language (SQL)--the language of creating and supporting RDBs, and manipulating the relational data. The students learn how to create tables, specify constraints, populate tables with data, and manipulate the data: create, update, delete, and retrieve the data. Demonstrations of database concepts and practical work are performed in one of the relational DBMSs. This will include the creation of tables, manipulation of data in the tables, queries using one or more tables, and importing/exporting data to other applications.

CST 160: Operating Systems Fundamentals

Pre-requisite CSC 140

This course is designed to introduce the student to the basic concepts and structures of operating systems, and how computer operating systems allocate resources. Its goal is to provide a basic working knowledge of computer operating system commands, functions, and management approaches using the DOS, Windows, Linux, and UNIX operating environments. Topics include memory management, process management, device management, file management, and operating system tools. The course introduces command structures and explores operations using GUI and Command Language Interfaces for Windows and Linux.

CST 220: Networking Fundamentals

Pre-requisite CST 160

This course introduces students to fundamental networking concepts and skills. It provides instructions in networking media, physical and logical topologies, and common networking standards and protocols. Specifically, the course presents the conceptual framework of the OSI model, and its implementation with the TCP/IP and other network protocols. Communication principles over guided and unguided media are introduced as well as cloud computing, network virtualization, and network security. Both networking design and analysis methods are emphasized. Hands-on laboratory exercises and projects reinforce the material presented in the lectures and enable students to develop practical networking skills. The course also provides students with the knowledge necessary to design, install, configure, and support network infrastructure. Networking administration skills are developed for different operating systems.

CST 230: Intro to Web Programming

Pre-requisite: CSC 140 / Co requisite: CSC 215

This course focuses on how to design and maintain interactive and dynamic Web sites using HTML, Cascading Style Sheets (CSS) and client-side scripting with JavaScript. The goal is to develop dynamic, effective, and pleasing Web sites. The students will learn JavaScript programming, the JavaScript Data Object Model (DOM), JavaScript event handlers; and how to integrate JavaScript programs in a HTML document. Students will apply this knowledge to create Web sites that include pop-up windows and scrolling messages, as well as to validate forms and enhance the Web pages with the use of images and form objects.

CST 240: Introduction to Cybersecurity

Pre-requisite CST 220

This course is an introduction to security issues facing computer professionals today. Students will acquire the knowledge and skills on how to maintain the integrity, authenticity, availability, and privacy of data. It covers computer viruses, authentication models, certificates; group policy, cryptography, and access control. It also introduces the fundamental security issues of programming, database, and web server. Other topics include how to monitor the system for suspicious activity and fend off attacks, to keep spies and Spam out of the e-mail, to take control of security by encrypting data, to design an active directory, blocking ports, and locking down the registry.

CST 250: System Administration (unix/linux)

Pre-requisite: CST 220

This course introduces students to fundamental networking administration concepts and principles and ideas of system administration common to various Network Operating Systems. It is designed to provide students with a broad understanding of Unix/Linux operating systems. Network administration concepts are demonstrated using Linux: installation and configuration, shell commands and programming, user and group management, establishing basic security; configuring and managing data storage, system monitoring, and troubleshooting. All concepts are demonstrated through laboratory assignments. A special set of labs has been developed to provide each student with the Administrator level of access to the operating system to perform network administration tasks.

CST 260: Cybersecurity Project

Pre/Co-requisite: CST 240 Introduction to Cybersecurity

The Cybersecurity project focuses on fundamental concepts necessary to reinforce students' understanding of cybersecurity. Through the construction of projects, students will learn how networks work and how to secure them and identify the individual or organization who performs the malicious

activities and their tools. Students will be also to detect, prevent, and respond to vulnerabilities and threats. Students will also learn the techniques for troubleshooting their projects.

RELATED DEGREE PROGRAMS

MATHEMATICS DEPARTMENT A.S. Degree in Computer Science

The Associate in Science (AS) degree in Computer Science consists of courses that allow students to pursue further education and careers in Computer Science, Cybersecurity, and Information Technology, as well as other software and computer networking related fields. The curriculum emphasizes basic computer science principles and provides a foundation in programming and network security as well as computer industry certifications. The program meets the general education requirements for the associate degree at Hostos and also meets the general education requirements for transfer to baccalaureate programs at other CUNY schools.

BEHAVIORAL AND SOCIAL SCIENCES DEPARTMENT Public Policy and Law Unit

A.A.S. in Public Policy and Administration

Hostos Community College offers an Associate in Applied Sciences (A.A.S.) in Public Policy & Administration. The curriculum examines decision making, supervisory and leadership, and management in public agencies such as federal, state, county, municipal and non-profit organizations. It introduces students to the field of public administration, including its scope, content, literature and relationship to other disciplines.

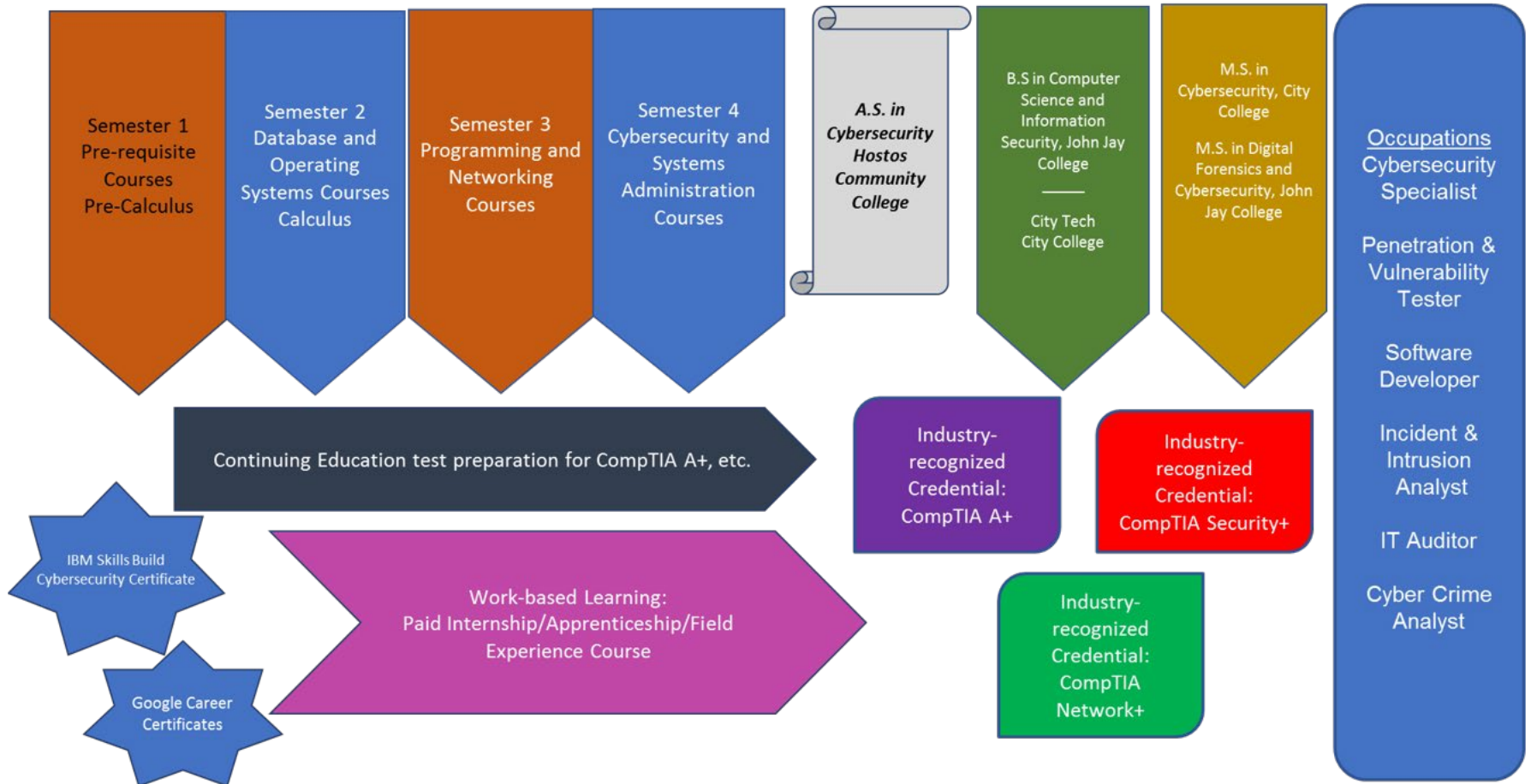
The objectives of this program are to educate individuals to become meaningfully employed in public, private, and community organizations, including civil service; to provide them with a practical understanding and background so that they can work in either the public or private sector.

Students completing the Public Administration sequence will be prepared to transfer to a four-year college to pursue a bachelor's degree. Upon graduation, the student will be qualified to seek employment in various civil service, corporate, bureaucratic, or public service organizations.

A.A. in Criminal Justice: CUNY Justice Academy

Hostos Community College offers an Associate in Arts (A.A) degree in Criminal Justice as a jointly registered, dual admission program with the existing Bachelor of Science in Criminal Justice (B.S.) at John Jay College of Criminal Justice. The program will provide HCC students with the first two years of the program required at John Jay. Upon successful completion of the lower division at Hostos, students will have a seamless transition to the upper division of the baccalaureate program at John Jay. The dual/joint program will offer increased educational opportunities for Hostos students. Students entering the program will be granted dual admission to HCC and John Jay. John Jay guarantees admission and 60 credits in transfer to HCC students who complete the A.A. degree in Criminal Justice.

Cybersecurity Career Pathway (Degree, Certificates, Work-Based Learning and Occupations)



DEVELOPMENT OF CYBER SECURITY SKILLS AND UNDERSTANDING

GRANTS

Cyber Skills for All Grant

Thanks to the leadership of the Associate Dean of Academic Affairs, Andrea Fabrizio, and Math Department Chair/Professor Nieves Angulo, Hostos Community College was recently selected as one of 14 community colleges across the nation to participate in the Cyber Skills for All initiative, made possible by a partnership between the American Association of Community Colleges (AACC) and Microsoft. In addition to receiving a grant of \$20,000, Hostos will be part of a community of practice consisting of community college workforce and economic development executives across the nation aimed at skilling people for participation in the digital economy.

SCHOLARSHIP AND RESEARCH

HETS Presentation 2023

Cybersecurity: Preparing the Untapped Hispanic Community for the Profession

Amy Ramson, Esq., Professor, Hostos Community College, Public Policy & Law; Lisanette Rosario, Director of Career Services, Hostos Community College and Shalom Cohen, President, EZ Tech Assist

This webinar shared examples to increase Hispanic recruitment into cybersecurity roles by utilizing collaboration between academic affairs, career services and industry. Best practices and strategies used at Hostos Community College to prepare students for future professions such as providing curricula focusing on cybersecurity practices, policy, law enforcement and corporate perspectives, offering experiential learning, providing access to mentors, honing students' soft skills and providing internships and career opportunities. Insights about the strategies used by Hostos Community College were shared with participants that could potentially be applied at their own institutions. <https://hets.org/cybersecurity-preparing-the-untapped-hispanic-community-for-the-profession/>

WORKSHOPS

Moise Koffi and Diandra Jugmohan, Co-Directors, Collegiate Science and Technology Entry Program (CSTEP)

During the winter sessions of 2022 and 2023, the Collegiate Science and Technology Entry Program (CSTEP) facilitated two-week cybersecurity training workshops in partnership with the Mathematics Department to attract and expose undergraduates at Hostos to this emerging field, in response to the national need for economic competitiveness and security of the skilled workforce. An average of 40 students participated in both workshops in which they learned different security issues such as: password security, online privacy, phishing scams, malware files, etc. Major topics covered in the workshops include: cybersecurity fundamentals, threat actors' attacks, secure architecture, wireless networks and network security. As a result, all students agreed that the workshops were engaging and have reinforced their desire to pursue a degree in computer science and cybersecurity.

SPEAKER BIOGRAPHIES

Daisy Cocco De Filippis, Ph.D.

Dr. Cocco De Filippis returned to Hostos Community College in August 2020 after serving as President of Naugatuck Valley Community College from July 2008 to August 2020. Now, upon her return to the College and through a pandemic year with ‘manos a la obra/all hands-on-deck’ as her motto, Dr. Cocco De Filippis continues to provide a high-quality education delivered with hope, care and understanding to the students of Hostos. Recently, author and philanthropist Ms. MacKenzie Scott announced a \$15 million gift to Hostos, the largest donation the school has ever received. As of April 2022, President Cocco De Filippis hosted a successful Middle States Evaluation Visit, which garnered thoughtful and collegial feedback from peer evaluators. She is now embarking upon outlining the college’s 2023-2028 Strategic Plan.

Dr. Cocco De Filippis holds a Ph.D. in Latin American Literature, an M. Phil in Spanish literature from the Graduate School and University Center of The City University of New York, an M.A. in Spanish literature and a B.A. summa cum laude in Spanish and English literatures from Queens College, CUNY. A published author and literary critic, she is recognized internationally as a pioneer in the field of Dominican women studies and Dominican authors in the U.S. In 2016, she was awarded an Honorary Doctorate in the Humanities by the University of Santo Domingo (UASD), the oldest university in the Americas, in recognition of her contributions to Dominican, Caribbean and Dominican Diaspora literatures. In 2021, she was appointed by the Governor and Mayor of New York to serve on the “New” New York Blue Ribbon Panel.

Elias Alcantara

Elias Alcantara currently serves as Vice President in Macquarie Group, Corporate Affairs and Macquarie Infrastructure and Real Assets. In this role, Elias focuses on coordinating, building and implementing a government affairs strategy that builds on MIRA and the Group’s existing presence in the United States and the Americas region. Prior to joining Macquarie, he was the founder and CEO of Bronx Element Strategies (BEST), a social impact and justice strategy consulting firm. Through BEST, he advised a portfolio of private, philanthropic and public-sector stakeholders and organizations across the country including the National Basketball Association, Columbia University, and Bloomberg Philanthropies. Previously, Elias served in the Obama White House as Senior Associate Director in the White House Office of Intergovernmental Affairs. During his five-year tenure, Elias was President Obama’s liaison to local elected officials, serving as a primary interface to mayors, county and local officials across the country. Elias is a graduate of Lehman College of the City University of New York (CUNY) and completed coursework for a Master of Arts in International Affairs at the Universidad de Chile. He is originally from the Bronx, New York where he currently resides.

Elizabeth ‘Liz’ Sampson

Elizabeth Sampson is a Managing Director leading the Enterprise IT & Cyber for the Americas, as part of newly formed Portfolio Performance Group within Macquarie Asset Management Real Assets. Her responsibilities include advisory on IT strategy, analytics and cyber readiness. Liz joined Macquarie with 20 years of technology experience. She held leadership positions in Brookfield Renewable Group’s Distributed Generation business, as the Chief Technology Officer of Luminace. Prior to this, Sampson served as CIO at TerraForm Power and led Brookfield Asset Management’s single ERP consolidation strategy. Liz also worked at General Electric and Genpact in technology strategy and delivery across a variety of industries and sectors. She holds a Bachelor of Arts (Honors) from Calcutta University.

Shiang-Kwei Wang, Ph.D.

Dr. Shiang-Kwei Wang is the Vice President of Academic Affairs and Provost at the Hostos Community College. Dr. Wang is the principal investigator of multiple private, federal, and state grants, including the National Science Foundation and the Illinois Community College Board. Dr. Wang was the PI of the Bank of America’s TechQuity grant to address the equity issue of Chicago workforce training. Before joining Hostos, Dr. Wang was the Vice President of Academic and Student Affairs at the Harold Washington

College, City Colleges of Chicago, the Dean for Research at Queensborough Community College (QCC), City University of New York (CUNY), and an Associate Dean at the School of Interdisciplinary Studies and Education at New York Institute of Technology (NYIT). She was Professor and Chair of the Instructional Technology Program. Dr. Wang was also a tenured full professor at NYIT, taught both graduate and undergraduate level courses, and has served on the committees of numerous professional organizations. Her research concentrates on STEM Education, technology integration, and pedagogical practices. She recently received United Federation of Fil-Am Educators' Outstanding Leadership in Education Award.

Nieves Angulo, Ph.D.

Dr. Nieves Angulo Chair/Professor of Mathematics has taught mathematics courses to STEM students for over thirty years. Since 2002, she has worked on the development and implementation of the Joint Dual Degree-Engineering Program, where she served as the liaison with the Grove School of Engineering at CCNY and director of the HCC program. As Chair of the Mathematics Department, she was involved in the implementation of the Computer Science program and serves as Co-PI of the Mathematics and Computer Science Scholars (MACSS) Program.

Moise Koffi, Ph.D.

Moise Koffi is an Associate Professor and the Deputy Chair of the Mathematics Department at Hostos Community College. Dr. Koffi completed his Ph.D. in Mechanical Engineering from the CUNY- Graduate Center in 2013. His research focuses on oscillating plate induced flows and related heat transfer characteristics with applications to biological systems. Prof. Koffi has published his research in refereed journals in his field and presented his work in national and international conferences. Dr. Koffi is the coordinator of the computer science program and the Principal Investigator of the NYSED STEP, CSTEP and the NSF MACSS grants at Hostos Community College. Since 2006, Dr. Koffi is proud to have served over 5,000 underrepresented and economically disadvantaged students of the South Bronx in the STEM disciplines.

Amy Ramson, J.D.

Professor Amy Ramson, is a Professor in the Behavioral and Social Science Department. As part of our Cybersecurity program development, she will work with industry partners in the implementation and mapping of industry-recognized certifications with course content. She will help create and lead the cybersecurity seminars and workshops for soft skills development. Her course in cybersecurity policy and law resulting from a course innovative grant she obtained in 2019 includes a cybersecurity workshop presented to the college community will act as a bridge to increase exposure to the program and potential enrollment from students studying criminal justice, paralegal studies, and liberal arts. She will continue to work closely with Career Services Office to facilitate career-building activities and identify employment opportunities.

Andrea Fabrizio, Ph.D.

Andrea Fabrizio is the Associate Dean of Academic Affairs at Hostos Community College/CUNY. She has been a member of the Hostos community since 2003 when she worked at the College as a Writing Fellow. She became a full-time member of the English Department in 2008. In her time at Hostos, she has chaired the English Department and co-coordinated the Writing-across-the-Curriculum Initiative. She is also a co-PI on a major grant from the Teagle Foundation to lead the implementation of Core Books: A Multi-Campus CUNY Humanities Proposal, which was an initiative inspired by Hostos' application of Columbia University's core curriculum. She is currently a member of the Board of Directors for The Great Questions Foundation.

Sam Byrd, Ph.D.

Sam Byrd is the Director of College Transition and Alternative Credit Programs in the Office of Academic Affairs at Hostos Community College. He also teaches as an Adjunct Assistant Professor in the Business Department. He collaborates with professors, staff, and workforce instructors to ensure that CEWD students transitioning to college are awarded the credits they deserve for completing workforce trainings and industry-recognized certifications. Dr. Byrd has a Ph.D. in Anthropology from the City University of New York-Graduate Center.

Evelyn Fernández-Ketcham, Ph.D., LSCW

Vice President of Continuing Education and Workforce Development, Evelyn Fernández-Ketcham, Ph.D., LSCW In her role she manages a portfolio of federal, state, and city grants and contracts, including privately funded projects for workforce development and literacy programs. Dr. Fernández-Ketcham's professional and scholarly interests focus on the intersection of education, workforce and economic development and the impact on young adults. She has traveled extensively to better understand education and workforce development practices, including: The Polytechnic of Central London, CDS International's 2-week tour of Germany's dual education system and apprenticeship model in Cologne and Berlin, and as a Marano Fellow with The Aspen Institute. She established the non-profit New Heights Neighborhood Center as part of a five-year grant from the US Department of Labor's School-to-Work Initiative, developing a comprehensive service model for youth (18-24 years old), marrying education, workforce and economic development.

Babette Audant, Ph.D.

Dr. Babette Audant is Hostos' Dean of Academic Affairs and Institutional Effectiveness, Research, and Assessment. At Hostos, she has led the development of the 2023-2028 Strategic Plan, which integrates the work of 80 colleagues across six working groups and a steering committee. She serves as Hostos' Accreditation Liaison Officer and is a member of several CUNY-wide committees including the Bronx Transfer Affinity Group and the CUNY Online Committee. Much of her work supports the integration of liberal arts education and career development, including initiatives funded by Perkins. Before joining Hostos in 2017 (as the college's first Assistant Dean of Institutional Effectiveness), Babette earned tenure as an Assistant Professor of Culinary Arts at Kingsborough Community College, and served as the Director of the Center for Economic and Workforce Development Director. At Kingsborough, she oversaw grant-funded programs that served disconnected young adults, in addition to more targeted workforce development initiatives.

Anthony 'Tony' Shearer

National Covert Operations Section; Title: Unit Chief; Undergrad Xavier University; Nova South Eastern University, National Security Affairs Master's degree; 32 Years Law Enforcement History; In Charge of Operations and Community Outreach

Dawn Norris Doak

Dawn Norris Doak is a Supervisory Special Agent with the FBI's Covert Operations Division. Her specialty is behavioral analysis for matters involving threats to U.S. national security. Currently, Dawn consults worldwide on counterintelligence matters for the FBI and their foreign partners. Her work includes investigations concerning malign foreign influence, espionage, the proliferation of weapons of mass destruction, and state sponsored cyber intrusions. She's recognized by the US intelligence community as an expert in personality assessment, non-verbal evaluations, statement analysis, and elicitation techniques. Dawn is the recipient of numerous intelligence community awards, including the Office of the Director of National Intelligence Award. Dawn is an adjunct faculty member of the FBI Academy and teaches clandestine operational methods to other intelligence organizations, including the CIA, Department of Defense, and the Department of Homeland Security. She also lectures at Columbia, Harvard, and New York University on topics related to behavioral analysis and national security. Dawn holds a Bachelor of Arts from Johns Hopkins University and a Master in Public Policy from Harvard Kennedy School.

Vineet Gill, Ph.D.

SSA Vineet Gill is a 19-year veteran of the FBI. SSA Gill has worked Counterterrorism, Criminal Investigative, Inspection, and Cyber matters at FBI Headquarters and Cleveland, Baltimore, and Springfield Field Offices. SSA Gill has deployed to Bagram, Afghanistan and Sanaa, Yemen in support of the FBI's mission. Currently, SSA Gill works at the Strategic Operations Unit, National Threat Operations Section at the Criminal Justice Information Services Division in Clarksburg, WV. SSA Gill holds certifications in Cyber Security, HUMINT, and Leadership. SSA Gill has been a keynote speaker on the topic of cyber security, OSINT and Social Media Research at universities, industry, and international law

enforcement conferences. SSA Gill holds a Ph.D. in Food Microbiology from Kansas State University, Manhattan, KS. SSA Gill is a US Army veteran and supported the Department of Defense mission in Afghanistan and GTMO, Cuba in 2002 and 2003, respectively.

Michael D. Nicola

Supervisory Special Agent Michael DeNicola joined the FBI in 2015. After completing training, SSA DeNicola was assigned to the Cyber Division in the New York field office where he has investigated financially motivated cyber-crimes. During that time, SSA DeNicola has investigated a number of different cyber-criminal activities, including the hack of a major financial institution, the operation of an unlicensed cryptocurrency exchange, and the development of various exploit kits that are made available for purchase and use by other would-be cyber criminals. SSA DeNicola currently leads the Cyber Crime Task Force of the New York Field Office. SSA DeNicola holds a Master's degree in Cybersecurity from Fordham University and is a licensed attorney.

Noel Lorenzo Francis

National Covert Operation Section; Management and Program Analyst; Counterterrorism Division Coordinator; Criminal Investigative Division Coordinator; BA University of Phoenix; 11 Years FBI History.

Lisanette Rosario

Lisanette Rosario has over 20 years of experience in career development, experiential learning, and higher education administration. Lisanette is the Director of Career Services at Hostos Community College. She is a professional with a commitment to the college mission of fostering student success, achievement and persistence. Lisanette provides strategic direction and leadership for all aspects of career and professional development services for students and alumni. She is currently pursuing a Ph.D. in Literacy from St. John's University, holds a Master of Science in Education degree from Baruch College/CUNY, a Bachelor's Degree in English from Hunter College/CUNY and an Associate Degree in Liberal Arts & Sciences from Hostos Community College/CUNY.

Jouly Lajara

Jouly Lajara is a Dominican Republic born immigrant raised in the South Bronx, NY, and current Senior Associate with PwC's Cybersecurity Strategy, Risk and Compliance national consulting practice. Along with technical expertise in threat modeling, cyber risk and maturity assessments, cyber controls testing, and cyber metrics and reporting program operationalization, he possesses a natural curiosity and resilient approach to problem-solving. Jouly excels in developing innovative solutions for clients using his critical thinking skills to navigate complex cybersecurity challenges. He has approximately four (4) years of experience delivering cyber consulting services, as well as internal/external IT process assurance services across a breadth of industries including but not limited to Financial Services, Technology, Media, Telecommunications, Luxury Retail, Digital Marketing and Advertising, Legal Services, Hospitality, Arts, and Recreation. Jouly holds a Bachelor of Science degree in Informatics with a concentration in Cybersecurity from the University at Albany, and is currently a candidate for a Master of Science degree at Yeshiva University focusing on Cybersecurity Risk and Leadership."



500 Grand Concourse, Bronx, NY 10451

FOLLOW US

Facebook: [@HostosCC](#)

Twitter: [@HostosCollege](#)

Instagram: [@HostosCollege](#)