**LaGuardia Community College**

**Tech Advisory Board - Kick-Off Meeting**

**Friday, February 21, 2025**

**10:00 AM-11:30 AM**

I. Welcome

II. Introduction

III. Goals and Deliverables of the Advisory Board

IV. About LaGuardia's Computer Programs

V. Curriculum Revision
   a. Projects
   b. Skills/Certifications industry are seeking in recent grads
   c. Course topics and content

VI. Student Engagement
   a. Job and Internship Opportunities
   b. Experiential Learning and Co-Curricular Programs
   c. Fairs
   d. Accommodations

VII. Next Steps: How will we accomplish our deliverables?
   a. Communication channel: Slack, Teams, suggestions?

***Next Meeting: Friday, May 9, 2025, at 10:00 AM on Zoom***

# Input on Cybersecurity Curriculum from Local Advisory Council (LAC) committee members in Fall 2022

**Tech Sector Breakout Room Agendas**

**Fall 22 Perkins LAC**

**Technology Sector Internship Agenda**:

**Facilitator:** Cara
Introduction of Attendees in the Chat
Introduction of Facilitators
Review of LAGCC Programs

Discussion

a. How to build an internship framework in partnership with companies
    i. How many hours should interns work per week?
    ii. Funding model: Are they paid/ who pays?
    iii. How is onboarding done?
    iv. What is the best way to address reporting, paperwork, expectations and learning outcomes?
    v. How best to accommodate paperwork and reporting when internship is for Credit?
    vi. What is the best model for applications and the interview process? How early to begin the process prior to start of internship?
    vii. How many interns is best and what is a good ratio of applicant to internship slots?
    viii. What classes do students need to take to be technically ready?
    ix. What are core skills or platforms students need to be familiar with before the internship?

b. How to help our students become top candidates for your internship?
    i. What are the core skills and courses they need to be a candidate for internships?
    ii. What should a student portfolio look like? What should their resume include?
    iii. What is the best timeline to apply?
    iv. How would you want opportunities to be promoted to students?

**Technology Sector Curriculum Review Agenda:**

**Facilitator:** Doyel Pal
Introduction of Attendees in the Chat
Introduction of Facilitators
Review of LAGCC Programs

a. Overview of Network Administration and Information Security curriculum
b. What is missing from Curriculum?
    i. What courses are missing?

ii. What core skills and platforms are missing?
iii. What practical experiences do students need to have? (i.e. desktop exercises, CTF)

c. Have you hired any alumni? If so, what has been your experience with our alumni?
d. What do future roles look like in Networking and Cybersecurity? Are we training in the skills for those roles?
e. What are some micro credentials or areas of specialization students can pursue?

Invited Attendees

| Company | Contact |
|---|---|
| Google | Brendan Collins |
| NYC Dept | Moe Hassan |
| Media Math | Josh Berg |
| Cisco | Besnik Hajsari |
| Cisco | Marie Zwickert |
| Adobe | Naomi Meyers |
| Infraguard | David Solano |
| Medial Health | Stephen Felix |
| Project 77 | Chris Russel |
| HealthFirst | Kenneth Schwartz |
| MasterCard | Katie Boudreau |
| MasterCard | Sulabh Bhattarai |
| MTV | Adriane Brown |
| DOT | Karin Sommer |
| | |
| | |

# Input on Cybersecurity Experiential Learning into the classroom and Career Readiness from LAC committee members in Spring 2023

LaGuardia Community College

**Perkins Career and Technical Education Local Advisory Council Meeting**

**May 10th, 2023 - 2:30pm – 4:00pm**

**AGENDA**

1) Welcome and Remarks
2) Overview & Update of Perkins
   a) Review of Perkins
   b) Updates on new projects and programs
3) Goal & Scope of Advisory Council
4) Breakout Rooms

**Technology Agenda**:

1) How to build experiential learning into the classroom
   a. Take 5-10 minutes for everyone to write down what it would look like to bring a real-world project into the classroom from your point of view as either instructor/ faculty or industry partner
   b. Share out ideas/ excitement/ pain points
      i. Employer perspective:
         1. What do industry experts/ companies need to provide an in-class project? How far in advance do you need the request to prepare the project?
         2. How much time would you realistically be able to commit to this, i.e. Provide scenario, introduce to students, mentor, feedback on final project?
      ii. Instructor/ Faculty Perspective:
         1. What do faculty and instructors need to implement a real-world project in the classroom? How many projects do you need per course? How far in advance do you need the projects?
         2. What level of involvement do you want from partners?
   c. Develop a framework model for real world projects in the classroom
      i. Create a template that companies and industry experts can use to provide real-world projects into the classroom.
2) What would the framework/ model look like for Guest lectures, workshops, etc.?
3) Career Readiness Curriculum: With significant changes in the tech industry, what should we be including in our career readiness curriculum for students? What should their portfolio include?

## Discussion on the Cybersecurity Curriculum, Industry Requirements, and Career Pathways with LAC committee members in Spring 2021


**LaGuardia Community College**
**Local Advisory Council**

April 14th, 2021

LaGuardia Community College | Continuing Education

# Purpose

The **purpose** of this **Local Advisory Council** (LAC) is to support educators, students and organizations in developing, establishing and evaluating **CTE** programs to ensure students are well prepared for the world of work.

The LAC provides advice in the design, development, delivery, evaluation, and continuous improvement of Career and Technical Education programs at the college.

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## Scope of the LAC

- Identify and close skills gaps
- Inform / review / provide feedback on CTE Curriculum
- Offer insight on career pathways / career mapping
- Identify top technical and 21st century soft skills
- Implications of automation / AI
- Work-based learning opportunities
- Experiential learning activity design

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## Briefing: Key Projects

- Strengthening Community Colleges (Consortium)
  - To build the capacity of community colleges to meet labor market demand for a skilled workforce.
- Education Design Lab
  - Employer-validated micro-pathways designed to connect low-wage and entry-level workers to in-demand jobs that pay at-or-above median wage and put them on a path toward a degree
- NYC Jobs CEO Council
  - Foster collaboration among business, education, and community leaders to prepare New Yorkers in diverse, low-income communities for the future of work and meet employer needs
- AAS Enhancement
  - Improving Career Outcomes of AAS Graduates

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# Environmental Scan

Overall, online job posting data from Burning Glass indicates the NY Metro Area labor market, like the rest of the nation, offers fewer jobs than one year ago. Despite of this, thousands of job postings for people with a degree and entry-level work experience remain.

**Cybersecurity (Information Security Analysts)**

- **Skills needed to the enter the industry:**

- **Technical**: IT fundamentals like system and web application administration, Coding (C, C++, Java, Python, Ruby, Perl, PHP); database knowledge and understanding architecture, administration and operation systems

- **Soft:** Leadership, communication, analytical thinking, determination, writing ability

- **Occupations open to current and upcoming graduates:** Chief Information Security Officer, Forensic Computer Analyst, Information Security Analyst, Security Architect, IT Security Engineer, Security Systems Administrator

**Computer Technology**

- **Skills needed to the enter the industry:**

- **Technical:** Coding (C++, Java, Python, SQL, JavaScript, HTML/CSS), digital media (Adobe Suite, Color Theory, Editing, Uploading, File Compression),

- **Soft:** Critical thinking, problem solving, communication, logic, planning

- **Occupations open to current and upcoming graduates:** Software Developer, Database Administrator, Computer Hardware Engineer, Computer Systems Analyst, Computer Network Architect, Web Developer, Information Security Analyst

# Environmental Scan

**Industrial Design/Advanced Manufacturing**

**Skills needed to the enter the industry:**

- **Technical:** Sketching, CADD, 3D modeling, Adobe Suite and Microsoft Office

- **Soft:** Analytical, interpersonal, problem solving, writing

- **Occupations open to current and upcoming graduates:**

Architects, Art Directors, Desktop Publishers, Fashion Designers, Graphic Designers, Industrial Engineers, Interior Designers, Medical Device Designer, Control Sensors Development,

**Community Health Workers**

**Skills needed to the enter the industry:**

- **Technical:** Databases, interview techniques, documenting/recording information, general computer skills, law/government, intervention techniques, counseling, investigation/research

- **Soft:** Multi-tasking, empathy, analytical, communication, active listening

- **Occupations open to current and upcoming graduates:**

Wellness coordinator, Community health advisor, Health educator, Health coach, Healthcare analyst, Community health worker, Community outreach specialist