



Meeting Minutes
Maryland Cybersecurity Council
Subcommittee on Education and Workforce Development and
Subcommittee on Economic Development
Friday, November 15, 2024
12:00 pm –3:00 pm
University of Maryland Global Campus
Room 3114
3501 Boulevard East
Adelphi, Maryland 20783

Subcommittee on Education and Workforce Development Attendance (2/9)

Senator Katie Fry Hester (chair) and Laura Mateczun (for Dr. Anupam Josh).

Subcommittee on Economic Development Attendance (4/10)

Alex Choi (for Troy Stovall), Brian Israel, Mary Kane, and Kimberly Mentzell

Staff Present

Dr. Greg von Lehmen (University of Maryland Global Campus and Staff to the Maryland Cybersecurity Council).

1. Meeting opening. Senator Hester welcomed the attending members and asked if there was a quorum. Dr. von Lehmen noted that a quorum was not present and therefore that the participating members could not vote on recommendations to be made on behalf of the subcommittees. He noted, however, that the group could convene as a working group whose discussion might inform or help prepare for later meetings of the subcommittees.
2. Dr. von Lehmen provided a recap of meetings that subcommittee members had with CyberFlorida (pathways pilots) and with the Newark, New Jersey, School District's experience with AI tutors in STEM courses.
3. Senator Hester then asked the group for ideas that could become future recommendations of the subcommittees or even inform legislation in the next session. The following suggestions were made in the course of the discussion.
 - a) K12 cybersecurity education:
 - Review MSDE credentialing for career transitioners (cyber, STEM in general) who would like to teach in public schools. Goal: make credentialing much faster, focusing on the essentials only: lesson planning, classroom management, etc.
 - Increase outreach to private sector professionals to teach cyber
 - Increase extracurricular and career-related activities in cyber
 - Organize an annual MD-focused conference for K12 teachers in cyber

- Supporting curricular changes, viz. allowing software coding to satisfy the language requirement in schools

b) AI-related suggestions:

- Encourage teacher professional development around AI. [Note: MCCE does teacher PD around AI and teachers get a stipend to participate. The goal is to ramp up 100 teachers that can do AI lesson planning.]
- Clarify policies regarding the procurement and use of AI tools in schools
- Compile evidence of the use of AI tutors in schools (how they are used, measured outcomes, governance, etc.)

4. Senator Hester noted that the Governor’s Office was drafting a cyber workforce development strategy for the State and asked the members what ideas they had that might contribute to the strategy document. In response, a number of suggestions were made by the members present:

- Make the CyberMaryland Program at TEDCO responsible for developing an inventory of organizations and what they offer related to cybersecurity training.
- Make the CyberMaryland Program the convener of the diverse cyber workforce development efforts in the State
- Include teacher training and USM Maryland Center for Computing Education (MCCE) as a vehicle for teacher professional development in cybersecurity
- In any K12 curricular development, be sure to include a multidisciplinary approach to cybersecurity, not focusing solely on the technical aspects of cyber. Examples: law & policy (e.g., privacy), applicability of psychology, economics, and nontechnical K12 courses.
- Leverage the participation of other groups involved in cybersecurity education. Mentioned as examples were the Patriots Technology Training Center, NSA and its GenCyber camps, TeachCyber.org, and Digital Harbor Foundation in Baltimore City.
- Tax credits for small businesses sponsoring postsecondary students for internships or project work.
- Consider what certifications might be available to students taking on an internship or clinic experience to enhance their employability, e.g., “WorkCred” a division of ANSI.
- Expanding year of service program to include cybersecurity.
- Reduce the requirements for businesses taking on an apprenticeship (eliminate the one-apprentice-to-one-master requirement) and increase the amount of financial support for apprenticeships.

5. To further inform discussion, Senator Hester suggested a working meeting where the subcommittees could be briefed on the Berkeley consortium of cybersecurity clinics as a

potential model for workforce development in Maryland. She asked Dr. von Lehmen to see if such a meeting could be set up before the end of the year.

6. There being no further business, the meeting was adjourned at 3:12 pm.