Evidencing Competency pilot

We are an NSA-funded working group exploring how the cybersecurity **knowledge** and **skills** students learn at CAE-C institutions might link more closely with the needs of the workplace. Evidence shows students often struggle to mobilize their learning in meaningful ways. Students need to develop **cybersecurity competency.**

This pilot will explore ways to phrase and develop competency statements in relation to course outcomes.

Competency is the ability for students to complete a task or tasks in the context of a work role.

Writing a Competency Statement

Writing competency statements is an effective way to link course outcomes both to the needs of industry and the frameworks already established within cybersecurity policy. These statements dovetail course outcomes to work roles and NICE tasks, thereby providing students with meaningful evidence of how their learning relates to their competency. A competency statement should include 5 essential elements: ABCDE.

A	The **audience** or **actor** (who are you teaching or observing)
B	The **behavior** or **task** (Cross referenced with the <u>NIST task descriptions</u>)
C	The **context** or **scenario** (A contextualization of the task: how are students expected to complete this task? What resources do they have? Are they working individually or as part of a group?"
D	The **degree** (What would success look like? How long do students have to complete the task?)
E	**Effectiveness** (Do students complete the task in ways that are acceptable to expected industry standards?)

Benefits of participating in this pilot

• 20 participants will be selected from across CAE-C institutions, both 2 year and 4 year programs;

• Participants will have the opportunity to take part in 4 or 5 professional development meetings, reflecting upon their course outcomes and discussing how to tailor these more closely to the NICE framework and industry expectations.

• Participants will potentially have the opportunity to engage with experts in the field, participate in academic publications, and present your work at policy and academic events.

• This is an excellent opportunity to critically reflect upon your teaching practice and to engage with the wider cybersecurity community.

Interested? Please contact **zfowler@norwich.edu** by July 30th 2021