

Proposal Update

Accepted NSA Capacity Building Proposal: CySP Teaching Corps

Increasing the number of faculty prepared to teach cybersecurity in community colleges.

Summary: In order to increase the ability of community colleges to provide cybersecurity education, George Washington University (GW) proposes to engage its CyberCorps alumni, who are employed cybersecurity professionals, as potential adjunct faculty. This project will create, pilot, revise, and deploy an online course which will provide CyberCorps alumni context and insight into the community college climate while preparing them to use active learning strategies in their teaching styles. The online course will include background research on the benefits and challenges of teaching in community colleges, insight into community college students and an introduction to good teaching practices. GW will provide examples of how to create and prepare a classroom environment that will facilitate learning activities pertinent to the specific community college where an adjunct might teach. They also will involve community college faculty and staff to help identify and validate content during the development of the course.

Goals and Timeline: Within a year of the CySPTC funding, GW will establish the scope of content for the online course and create a pilot version. They will host one session of the pilot course with students from GW's CyberCorps alumni. In order to reach their goals, they have established the following timeline:

TARGET DATE FOR COMPLETION	TOPICS TO BE RESOLVED
End of October	Identify community college faculty and staff (aka G1)
End of December	Survey G1 for community college profile and possible course content
January 18-19	Face-to-face meeting of G1 to resolve online course syllabus, generate/suggest content
February-May	Develop online prototype course
End of May	Prototype course to be shared with G1
End of June	Revisions to online course
End of August	Complete a test of online course with SFS alumni as students.
Mid-September	Deliver online course

Potential Outcomes: As a result of completing the online course, there should be an increase in the number of potential adjunct faculty available to teach at community colleges. This would educate more cybersecurity students which would in turn add more qualified workers than currently possible to the cybersecurity workforce. The community college students will thusly benefit from the intellectual and employment experiences of these CyberCorps alumni in their new teaching roles.

Limitations of the grant: In the first year, CySPTC will focus on potential students who are Scholarship for Service alumni. In the future, the course could be made available to any potential adjunct faculty member.

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