

Program Overview

The primary purpose of this GenCyber teachers' camp is to support the growth of the next generation of cybersecurity experts for the nation. The teachers' camp at CSU is designed to increase interest in cybersecurity careers and diversity in the cybersecurity workforce of the nation, improve teaching methods for delivering cybersecurity content in 9-12 curricula, and help the participating teachers understand correct and safe online behaviors. The camp offers a comprehensive experience involving practice in implementing the Cybersecurity First Principles, and opportunities for classroom observations and practicum involving hands-on experiences to assist teachers with the preparation of curriculum for teaching cybersecurity. We will recruit twenty (20) teachers from the local high schools at Columbus GA and surrounding areas.

The academic component consists of the five courses recommended by the teachers' camp: 1) Fundamentals of Networks; 2) Cryptography Fundamentals; 3) Fundamentals of Cybersecurity, Risks, and Policies; 4) Forensics, Ethics and Privacy, and 5) Curriculum Development. The daily schedule will facilitate a learner-centered classroom. The instructors will use formative assessment of participants' performance during the course of the lessons to adjust instruction as needed. We will develop a series of hands-on labs that will be integrated into the first four courses of the curriculum to meet the learning objectives of GenCyber teachers' camp.

The six-day non-residential teachers' camp consists of a 5-day training workshop that takes place from 9:00 a.m. to 5:30 p.m. Monday through Friday (June 4-8, 2018) on the CSU campus, and a one-day presentation on Monday June 18.