

OVERVIEW

Woodstar Labs is a non-profit, educational institute focused on providing cybersecurity services, research and development (R&D), and training and education with a focus on critical infrastructure and national security partners. We specialize in both information and operational technology environments. As a subsidiary of AUI, Woodstar Labs leverages more than 70-years of experience in managing scientific discoveries to build a fast-paced, entrepreneurial environment where good ideas grow into meaningful and impactful achievements. We provide high quality, affordable services and R&D for critical infrastructure markets such as state and local elections offices, small-scale energy production facilities, and large-scale scientific facilities.



CYBER CONSULTANCY

We are pleased to provide a variety of cybersecurity consulting and monitoring services tailored to the needs of our clients and partners. Our most comprehensive offering is the Chief Information Security Officer as a Service (CaaS). Our CaaS package provides dedicated policy, technical, and data experts who draft and advise on organizational cyber policies after performing cyber maturity assessments and detailed network data analysis, uncovering anomalies and potential threats. Our CaaS offering is designed for organizations that require these services but cannot afford the full-time personnel required to execute this work effectively.

CYBER AND MICROELECTRONICS R&D

We provide access to unique and leading-edge facilities via an “open access” model, forging partnerships with academia and the public and private sectors to solve complex cyber challenges. Our solution portfolio includes cyber ranges, hardware-in-the-loop activities, and secure microelectronics. Our metadata analysis cell allows our partners to perform in-depth examinations of a variety of network environments, enabling rapid identification of anomalous cyber behaviors and non-malicious indications of potential equipment failure. Our facilities allow for robust cyber testing and examinations of physical hardware alongside virtualized environments.

CYBER TRAINING AND EDUCATION

We deliver a wide spectrum of high-quality, competency-based, in-person trainings led by experienced instructors at our Vienna, VA location, and virtual training programs through AUI’s Open Program Education Network (OPEN) platform. OPEN is a comprehensive, globally deployed, workforce development and training solution. In addition to delivering online learning content, the system maintains records of all past learning accomplishments, credentials, and certifications, identifies future learning requirements, and can custom-certify competencies required for specific job positions. We offer coursework on the foundations of cybersecurity for national security and critical infrastructure systems, defensive coding, cybersecurity data analysis, penetration testing (software/hardware), compliance with the Risk Management Framework (RMF), secure coding techniques, and computer language proficiency. Our cybersecurity curriculum is directly aligned with the cybersecurity core competencies established in the National Institute of Standards and Technology’s (NIST’s) National Initiative for Cybersecurity Education (NICE).

