

# National Cybersecurity Training & Education Center (NCyTE)



NCyTE Center members and constituents include community colleges, universities, high schools and industry partners. The Center works to advance cybersecurity education in the U.S. by investing in leading edge curriculum, resources, professional development and educational tools to strengthen our nation's cybersecurity institutions and workforce. Currently funded through NSF ATE grants #1500375, #1800589, and #1902329, NCyTE is administered by Whatcom Community College based in Bellingham, Washington.

## The Center's four integrated goals (a synthesis of the three grants) are:

**Goal 1:** Strengthen cybersecurity education in the U.S. and collaborate with other ATE centers to meet the demand for cybersecurity education, career, pathways and workforce development.

**Goal 2:** Expand and improve pathway development opportunities for cybersecurity students.

**Goal 3:** Serve as a resource for faculty mentoring and lifelong professional development for educators both new to cybersecurity as well as experienced faculty.

**Goal 4:** Improve participation and expand partnerships and connections with industry.

## Key Activities:

- Develop and disseminate cybersecurity educational resources for faculty
- Mentor and support faculty and increase under served populations in the field
- Foster networking between faculty, industry and students to build community and workforce initiatives



*Students learn how to secure networking devices as part of overall security training.*

## Networking

On September 4, 2020, NCyTE sponsored the fourth annual CAE Virtual Career Fair. 1438 attendees and 31 employers participated. The Career Fair provides students with vital connections to employers, and vice versa.



*Securing a programmable logic controller--an industrial computer control system, part of critical infrastructure.*

## Resources

The Military Occupational Specialties (MOS) pathways tool developed through NCyTE helps educators more consistently evaluate US veterans' military training and experiences to exempt them from course requirements and award college credits. The MOS Pathways web page has been visited more than 4,786 times since it was posted in July 2016.

## NCyTE Membership

NCyTE's educational membership continues to grow—increasing from 40 in 2014 to over 257 in September of 2020. Educational members access professional development opportunities, utilize model curriculum, and network with employers at industry events.