



The Virginia Tech Pylons

Virginia Tech is leading the nation in national security research and education. In 2021 the university established the Virginia Tech National Security Institute, building off the long-standing success of the Ted and Karyn Hume Center for National Security and Technology and centralizing all national security related research at Virginia Tech.

The Hume Center leads the Virginia Tech National Security Institute’s education programs focused on the challenges of cybersecurity, autonomy, and resilience for the national security community. Educational programs provide mentorship, internship, scholarship, and seek to address key challenges in qualified US citizens entering federal and industry service.

Virginia Tech offers multidisciplinary opportunities in cybersecurity education and research, with

participating faculty from the departments of Computer Science, Electrical and Computer Engineering, Political Science, and Business. With its strong engineering and science focus, Virginia Tech offers deeply technical undergraduate and graduate programs in cybersecurity, and our faculty conduct world-class research in information security, network security, hardware security, and software security.

The Bradley Department of Electrical and Computer Engineering administers multiple relevant majors and programs related to the mission of the Virginia Tech National Security Institute, including the Computer Engineering major and the Networking and Cybersecurity major. Additional majors housed within the College of Liberal Arts and Human Sciences and the Pamplin College of Business include National Security & Foreign Affairs, Business Information Technology, and International Studies.

Centers such as the Hume Center for National Security and Technology and the Integrated Security Education and Research Center (ISERC) research defense and intelligence applications of cyber-attack and defense. The IT Security Lab, part of the university’s CIO organization, is able to use the university’s production network as a teaching hospital for cybersecurity. Additionally, the university will host the 2024 GenCyber at Virginia Tech: Residential Computer & Network Security Camp for Secondary School Teachers.

DESIGNATIONS

- CAE-Cyber Defense
- CAE-Cyber Operations
- CAE-Research

CONTACT INFORMATION

Mark Thompson
markt22@vt.edu

Ehren Hill
ehren@vt.edu

cyber.vt.edu