



USAFA Graduation

The **United States Air Force Academy (USAFA)** serves as an unparalleled premier academic and military institute which educates, trains, and inspires men and women to become leaders of character, motivated to lead the United States Air Force and Space Force in service to our nation.

Cadets complete a rigorous and rewarding program of academic, military, athletic, and character development. The academic experience balances science, technology, engineering, and mathematics with arts and humanities. USAFA's robust core curriculum places cadets at the intersection of these disciplines, generating rewarding opportunities to cultivate and apply creative and complex problem-solving abilities and offering opportunities to complete cutting-edge research.

The Department of Computer and Cyber Sciences

## DESIGNATIONS

- CAE-Cyber Defense
- CAE-Cyber Operations

## CONTACT INFORMATION

Major Bobby Birrer  
Bobby.Birrer@afacademy.af.edu

Lieutenant Colonel James Maher  
James.Maher@afacademy.af.edu

[www.usafa.edu/research/research-centers](http://www.usafa.edu/research/research-centers)

offers two ABET-accredited undergraduate majors - computer science and cyber science. Computer science emphasizes computing theory and software engineering. The USAFA cyber science major was the first in the world to earn ABET accreditation and focuses on networks, reverse engineering, forensics and other skills necessary to lead and execute offensive and defensive cyberspace operations.

USAFA integrates its world-class Critical Infrastructure Cyber Range (CICR), a 1:87 scale city with SCADA-controlled residential, industrial, and military infrastructure, throughout its curriculum enabling cadets to conduct cyberspace operations and experience the impacts on the physical world.



Critical Infrastructure Cyber Range