

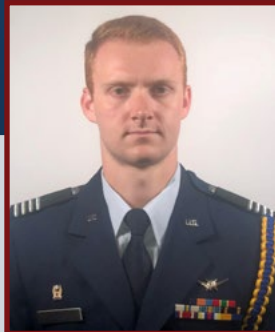


CLASS OF 2022 IMMERSIVE CYBER EDUCATION

What our cadets are saying:

“This program offers a unique experience that you can't find anywhere else. It opened my eyes to how vast the world of cyber is. ICE is a technical playground that allows cadets to showcase their skills through a collaborative and immersive environment.”

—Cadet Colonel Brenden Hale,
Kent State University, Detachment 630



“I walked into this program hoping to expand my cyber security knowledge and learn more about career opportunities. The professors not only shared their expertise, but also inspired us to continue to explore and challenge our critical thinking skills.”

—Cadet Colonel Veronica Vergara,
Rutgers University, Detachment 485



For more information or to apply for Immersive Cyber Education (ICE), please visit our website
www.afit.edu/ccr



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Air Force Institute of Technology
Center for Cyberspace Research
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ROTC IMMERSIVE CYBER EDUCATION PROGRAM



Presented by the Air Force Cyberspace
Technical Center of Excellence
at AFIT, WPAFB, Dayton, OH

What is ICE?

Immersive Cyber Education (ICE) program is a four-week course that takes place during the undergraduate academic summer break at Wright-Patterson AFB in Dayton, Ohio. The objective of the ICE program is to develop the next generation of cybersecurity leaders through an intense program which immerses students in the cybersecurity discipline while educating them on becoming future military leaders.

What is the ICE Course Structure?

This program covers a wide variety of cybersecurity related disciplines to develop original thinkers and technical leaders who can solve real-world problems in the area of cybersecurity. The program consists of an instructional component, hands-on technical labs, and leadership opportunities through team challenges related to the cyberspace domain.

Who Should Apply?

Preference is given to ROTC cadets between their junior and senior years in college, but newly commissioned 2Lt's in unique situations are encouraged to apply. ICE provides cadets an educational experience that provides foundational knowledge to support or conduct cyberspace operations in the DOD's Cyber Mission Forces (CMF).

For more information or to apply for Immersive Cyber Education (ICE), please visit our website
www.afit.edu/ccr



ICE Prerequisites

- Contracted ROTC cadets from any service
- Open to ROTC juniors, seniors, and newly commissioned 2Lt's in unique situations
- Students from all programs of study are encouraged to apply. Preference will be given to students majoring in computer engineering, computer science, electrical engineering, or any information technology related major.
- Cumulative GPA > 2.75
- Must be a U.S. Citizen
- Detachment Commander recommendation



EDUCATION - ICE SUBJECT MATTER

- Computer Networking
- Critical Infrastructure Protection
- Cryptography
- Cyber Attack
- Cyber Defense
- Digital Forensics
- Information Warfare
- Software Reverse Engineering



LEADERSHIP - GIVEN A PROBLEM, A LEADER MUST:

- Formulate a clear statement
- Establish assumptions
- Apply proper techniques
- Create a sound solution
- Perform risk analysis
- Deliver a solution on time

HANDS-ON EXPERIENCE - CYBER WARFARE

- Problem Solving
- Command Styles
- Leadership Principles
- Crisis Decision Making
- Military Strategy

