Integrated Security

Curriculum

Conceptions of SECURITY

- THREATS
- RISK
- TECH
- VALUES

The Big Picture: Integrated Security Pathways

- Gateway course
- ISERC
- CAPSTONE: ISERC
- Cyber Security
- National Security Studies
- Peace Studies
- Security and Privacy Management
- AND OTHERS

Student portal
THE ISERC: Integrated Security Education and Research Center

Gateway Course Learning Objectives*

- Demonstrate and evaluate a response to a simulated security attack in a real world scenario.
- Apply a basic security and privacy risk management framework to a private or public decision making scenario.
- Describe how security, threats to security, and proposed solutions to those threats are defined and contested by different individuals, institutions, and cultures, across space and time.
- Explain how socio-legal, technological, and historical factors create the contexts for threats to security as well as responses to those threats.
- Identify threats and vulnerabilities to private and public assets and sensitive data, deploy a solution to mitigate them, and evaluate legal, business, social, and ethical ramifications.
- Evaluate various security and privacy solutions in terms of their security and privacy guarantees given economic, legal, political, technical, and social considerations.
- Apply multiple disciplinary concepts and analytical frameworks pertaining to security at local, national, international and global levels.

*Current Proposals

Capstone Course

ISERC
In-Process and Future Work:

- ISERC
  - Design Collaboration
  - Cases/Scenarios
  - Available more broadly for classes
  - Available for research
- ISDA Pathways Minor
- Capstone Course
- Graduate Curriculum
  - PhD in Security Governance

Input and Questions

Contribute to the ISDA educational subcommittee: email Kira Gantt at kgantt@vt.edu or Russ Walker at rswalker@vt.edu