Title:
Introduction to Cyber Security

Course description:
The purpose of this course is to introduce students to the rapidly evolving and critical international arenas of Privacy, Information Security, and Critical Infrastructure. This course is designed to develop knowledge and skills for security of information and information systems at both individual and organizational levels. It focuses on concepts and methods associated with security across several systems platforms, including internal and Internet-facing systems. The course utilizes a world view to examine critical infrastructure concepts as well as techniques for assessing risk associated with accidental and intentional breaches of security in a global network. It introduces the associated issues of ethical uses of information and of privacy considerations.

- Stakeholders of information security and privacy
- Framework of information security and privacy
- Nature of common information hazards
- Common cyber attacks and counter-measures
- Operation and limitations of information and system safeguards
- Ethics, privacy, policy and information decisions
- Legal aspects, professional practices and standards for information
- Security and privacy
- Security of national critical infrastructures

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https://www.uab.edu/it/home/about-uab-it/about-the-cio