Interdisciplinary Telecom Program

Spring 2019 Course Offerings in
Technology, Cybersecurity and Policy

CSCI 3403-100 Introduction to Cybersecurity
Foundational information security for a technologically-advanced and connected world.
Tuesdays and Thursdays 2:00 – 3:15 PM with Daniel Massey, PhD and Lloyd Thrall, MA

TLEN 5830-002 or APPM 4720/5720 Mathematics of Cryptosystem
Cryptographic algorithms (cryptosystem) enable information security, confidentiality, and privacy through encryption, decryption, and key generation.
Thursdays 3:30 – 6:00 PM with Jonathan Kish, PhD and James Curry, PhD

TLEN 5830-003 Cybersecurity Policy
Enforcing best practices within an organization's constraints will ensure optimal organizational security and efficiency.
Tuesdays and Thursdays 12:30 – 1:45 PM with David Reed, PhD

TLEN 5830-004 Cybersecurity Auditing
Assessing vulnerabilities and mitigating risks at the systems-level in order to build a secure organization.
Mondays 4:00 – 6:30 PM   or   Online (Section 004B) with Dan Manson, PhD

TLEN 5830-005 Implementing Cybersecurity Change
Beyond diagnosing risks, one of the greatest challenges is convincing stakeholders within an organization to take action.
Fridays 4:00 – 6:30 PM with Erik Thomson, MBA

TLEN 5830-006 Introduction to Blockchain
Learn the fundamentals of blockchain, its potential to disrupt and revolutionize across industries, and challenges to its application.
Wednesdays 4:00 – 6:30 PM with Hunter Albright, PhD

TLEN 5830-008 Immersive Cyber Defense
Applies core offensive hacking skills and cybersecurity defense concepts within a hands-on, gamified, virtual environment.
Fridays 4:00 – 6:30 PM   or   Online (Section 008B) with Laura Lee, JD

TLEN 5830-009 The Business of Fintech
Reviews the history of and businesses seeking to improve and automate the delivery and use of financial services.
Fridays 4:00 – 6:30 PM   or   Online (Section 009B) with Lisa Christian, MBA

TLEN 5830-010 Penetration and Security Testing
Offensive and defensive hacking tactics and techniques as a means to improve the overall security posture of an organization.
Online with Ric Messier, PhD

TLEN 5830-011 Technology Ventures
Free-range course for researching and/or designing prototypes geared towards advanced technologies.
Independent Study with David Reed, PhD

TLEN 5830-012 Introduction to Digital Forensics
Learn about the legal challenges associated with conducting digital forensics investigations.
Tuesdays 3:30 – 6:00 PM with Aaron Hansen, PhD

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UNIVERSITY OF COLORADO BOULDER

For more information, please contact us:
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