Through the Network Security Track, you’ll learn not only how to build secure systems and identify weaknesses, but you will also have a thorough technical skillset to explain complex security issues to all audiences.

BE A LEADER IN INFORMATION SECURITY

CU-Boulder’s Interdisciplinary Telecom Program (ITP) master’s degree Network Security Track provides you with the education and skills to be a leader in the field of Information Security. The Network Security Track uses a hands-on, lab-based approach to education. In each course you’ll use tools and techniques to reinforce the security concepts taught in class. Some of the security topics covered are digital forensics, penetration testing, vulnerability analysis, secure web applications, secure embedded/industrial control systems, intrusion detection, large scale network security and secure system deployment. Through your coursework in policy, business and economics, you’ll not only develop an understanding of security, but also learn how to identify and analyze relevant issues to become a key decision maker and leader in the security sector.

A DEGREE IN TELECOM PREPARES YOU FOR CAREERS AT

// TECHNOLOGY & INTERNET COMPANIES
// SECURITY SOFTWARE COMPANIES
// DEFENSE COMPANIES

After graduation, you’ll have the skills needed to:

// Build secure networks
// Build and deploy secure applications
// Analyze networks and systems to identify weaknesses and provide secure solutions
// Plan, manage, and communicate intelligently about current policies and regulations, best practices, and upcoming trends
We host a hackathon event where students solve information security problems. Past hackathon industry partners and sponsors are Webroot, Hewlett Packard, LogRhythm, CRU, Paraben Forensics, and Rally Software.

DID YOU KNOW?

We accept students from varied backgrounds. In making admission decisions, we review all elements of the application packet. Applicants must meet the following criteria:

// A bachelor’s degree from a four-year college or university of recognized standing

// A GPA of at least 3.0

// GRE, GMAT, or LSAT cumulative scores

// TOEFL or IELTS scores for applicants whose native language is not English

// An aptitude for working with technology, and strong written and oral English skills

FACULTY SPOTLIGHT

Joe McManus, Scholar in Residence in ITP, teaches network security courses. He has years of experience assisting federal law enforcement, the U.S. Department of Defense and other government agencies through his research work at CERT, which is a part of the Software Engineering Institute at Carnegie Mellon University where he earned his graduate degree. McManus has worked in industry for years in various security roles building policy and technical solutions.

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