Computer & Network Security Certificate

12 CREDIT HOURS

> Learn in detail how networks work, and how users behave on the network

> Gain expertise on how to protect networks—a process that includes behavioral, economic and policy understanding

> Become fluent in security topics, from technical theory to legal procedures

Required Courses:

- **TLEN 5530**
  Applied Network Security

- **TLEN 5540**
  Network Security Lab

- **TLEN 5310**
  Telecommunications Systems

- **TLEN 5330**
  Data Communications 1

Discover more! Speak to our team:

**CALL:** 303.492.8475  **EMAIL:** itp@colorado.edu

**VISIT:** http://www.colorado.edu/itp
Which ITP certificate is right for you?

> **Computer & Network Security**

Learn in detail how networks work, and how users behave on the network

Gain expertise on how to protect networks—a process that includes behavioral, economic and policy understanding

Become fluent in security topics, from technical theory to legal procedures

> **Network Architecture**

Learn how to design communications solutions based on a myriad of systems; includes theoretical and hands-on experience

Gain expertise in the fundamentals of how networks operate, how to configure these networks, and how to approach network design in a practical manner

Because our training uses commercially available products, students also may complement their certificate by seeking out vendor-specific credentials as well

> **Telecommunications Policy**

Gain expertise in the legal, political and regulatory dynamics of the Internet and communications industries

Study technology-based policy issues such as net neutrality, privacy and over-the-top video

Opens the door to fulfilling work as an Internet-based technology executive, strategic planner, or decision maker at government agencies

> **Wireless Networks & Technologies**

Position yourself to meet the growing demand for leaders who understand wireless technologies, whether it’s as a network administrator, a technician, or an upper-level manager

Master pragmatic skills in key areas of wireless networks: security and vulnerability characteristics, assessing and selecting the right product, deploying a reliable wireless network, and potential interactions between wireless products

Learn the regulatory and legal aspects of owning and operating wireless networks, as well as the cost-benefit tradeoffs between wireless and non-wireless options

Study coursework that’s specifically designed for people with technical, legal, or business backgrounds and covers a broad range of wireless and LAN issues, from technical theory to legal procedures

Certificate Benefits:

- Develop critical competencies in 12-18 months
- Courses delivered both on campus and online
- Graduate credit earned can apply toward a Master’s in Telecommunications
- Interaction with an industry-diverse and world-wide student body

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www.colorado.edu/engineering