

# CPSC 411: Ethical Hacking

Addresses the fundamentals of ethical hacking. The course utilizes virtual labs to enhance and supplement the material presented. Topics include footprinting and scanning; enumeration and system hacking; malware; sniffers, session hijacking and denial of service; web server hacking, web application attacks, and database attacks; IDS, firewalls, and honeypots; physical security and social engineering; cryptographic attacks and defenses; cloud computing and botnets.

**Credits:** 3

**Prerequisites:**

CPSC 250.

**Program:** Computer Science