

COMP4470 : Cyber Warfare

This course is designed to train students to function in the role of a "White Hat" or ethical hacker for an organization. Students are exposed to the inner workings of cyberattacks from a White Hat perspective: how malware is built and propagated to the use of the Dark Web. It will also cover web-application specific topics such as Denial of Service, SQL injection and cross-site scripting attacks and how to defeat them. This course will also address a number of advanced topics such as cellular, Internet of Things and mobile technologies and their security, system vulnerabilities and penetration testing of corporate networks/systems. Students will also learn how to employ honeypots/honeynets to deceive and/or thwart attackers. **Fee:** Additional fee required.

Credits 3

Recommended Prerequisites

[COMP3430](#), [COMP4330](#), and [COMP4340](#).

Prerequisite Courses

COMP3330

COMP3480

Fees

Additional fee required.