

ITS4235 : Ethical Hacking II

This course is the second course in a two-course sequence on ethical hacking. An ethical hacker is a skilled professional who is proficient at examining vulnerabilities in target systems and applying knowledge and tools like those used by malicious hackers, but in a lawful and legitimate manner, to assess the security posture of target systems. The course covers the material needed to prepare for the Certified Ethical Hacker (CEH) certification from the International Council of E-Commerce Consultants (EC-Council). In this second course, the student learns ethical-hacking principles and acquires practical skills in the following areas: denial of service, session hijacking, web servers and applications, SQL injection, hacking Wi-Fi and Bluetooth, mobile device security, evasion, cloud technologies and security, and physical security. The student gains knowledge through lectures and assignments, and hands-on experience through interactive practices, virtual-lab challenges and exercises that supplement the theory. The course assumes basic knowledge of network concepts and issues, computer hardware and software systems, as well as applications, and the completion of Ethical Hacking I or equivalent.

Credits 4.0

Prerequisites

[ITS4234: Ethical Hacking I](#)

Corequisites

None