

⚙️ Operating System & Server Management

Linux Server ⚙️

- Kali Linux
- Commandline and Basic scripting
- Service, User, System & Package Management

Windows Server ⚙️

- Windows Server 2019
- Server Management: IIS, DHCP, DNS, RDS
- Active Directory
- Domain Controller
- GPOs

⚙️ Network Fundamentals & Network Security

Network ⚙️

- OSI & TCP/IP models
- Network Protocols
- Topologies and devices
- IP subnetting
- Network Mapping
- Network sniffers
- Wireshark
- tcpdump
- Network Miner
- Rumble
- nmap, Zenmap

⚙️ Cybersecurity

Security Appliance & Devices ⚙️

- Fortinet Fortigate Next Generation FW
- Fortinet IPS-IDS, WAF, Web Content Filter

Cryptography ⚙️

- Public Key Infrastructure
- Cryptographic protocols
- Hashing, Encoding, Obfuscation

Cloud Fundamentals, Security ⚙️

- CIS Cloud Security Framework
- AWS Security Hub
- ScoutSuite
- CloudMapper
- Prowler

Vulnerability Management ⚙️

- Nessus Tenable

Web Application Security ⚙️

- OWASP TOP 10
- HCL AppScan, (IBM AppScan)
- Burp Suite Professional
- OWASP ZAP

Exploitation ⚙️

- Rapid7 Metasploit

SOC & SIEM ⚙️

- Splunk Enterprise
- Splunk Enterprise Security

Incident Response Scenarios ⚙️

- Sophos EDR
- Limacharlie
- Binalyze
- FireEye RedLine

OAK Academy students will be eligible to use above tools for a year

