**Bowen Tech Hub Cybersecurity Curriculum**

Beginner

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| **Month (Weeks)** | **Course Outlines/Practical** | **Location** |
| **March**   1. Week 1 & 2 | Introduction to Cybersecurity 101 | Online |
| 1. Week 3 & 4 | Cybersecurity Tools & Concepts | Physical |
| **April**   1. Week 1 & 2 | Networking Basics for Cybersecurity | Online |
| 1. Week 1 & 2 | Linux & Command Line Fundamentals | Physical |
| **May**   1. Week 1 & 2 | Windows & Linux Security | Online |
| 1. Week 3 & 4 | Cryptography Fundamentals | Physical |
| **June**   1. Week 1 & 2 | Web Security and Secure Browsing | Online |
| 1. Week 3 & 4 | Social Engineering & Phishing Attacks | Physical |
| **July**   1. Week 1 & 2 | Introduction to Ethical Hacking | Online |
| 1. Week 3 & 4 | Wireshark & Data Packet Analysis | Physical |
| **August**   1. Week 1 & 2 | Capture the Flag (CTF) Basics | Online |
| 1. Week 3 & 4 | Security Certifications Overviews | Physical |
| **September**   1. Week 1 & 2 | Carrer Pathways in Cybersecurity | Online |
| 1. Week 3 & 4 | Cybersecurity Case Studies & Incident Response | Physical |
| **October**   1. Week 1 & 2 | Final Beginner Cybersecurity Challenge | Physical |
| 1. Week 3 & 4 | Wrap-Up & Carrer Guidance & Promotions | Online |

**Advanced Level**

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| **Month (Weeks)** | **Course Outlines/Practical** | **Location** |
| **March**   1. Week 1 & 2 | Ethical Hacking & Penetration / Recap- Cybersecurity 101 | Physical |
| 1. Week 3 & 4 | Advanced Networking Security | Online |
| **April**   1. Week 1 & 2 | Web Application Security | Physical |
| 1. Week 1 & 2 | Secure Coding Practices | Online |
| **May**   1. Week 1 & 2 | Digital Forensics & Incident Response | Physical |
| 1. Week 3 & 4 | Advanced Cryptography & Steganography | Online |
| **June**   1. Week 1 & 2 | Cloud Security & DevSecOps | Physical |
| 1. Week 3 & 4 | Red Team vs. Blue Team | Online |
| **July**   1. Week 1 & 2 | Malware Analysis and Reserve Engineering | Physical |
| 1. Week 3 & 4 | AI & Cybersecurity | Online |
| **August**   1. Week 1 & 2 | Advanced Cyber Threat Management and Intelligence | Physical |
| 1. Week 3 & 4 | Penetration Testing Final Project | Online |
| **September**   1. Week 1 & 2 | Cybersecurity Strategy & Governance | Physical |
| 1. Week 3 & 4 | Emerging Cyber Threats & Case Studies | Online |
| **October**   1. Week 1 & 2 | Final Cybersecurity Challenge, Demo & Certifications | Physical |
| 1. Week 3 & 4 | Wrap-Up & Future Carrer Planning | Online |