

Program Comparison

Cybersecurity and Networking

- ▶ IT services
- ▶ Infrastructure networking
- ▶ Network security

- ▶ Network security
- ▶ Workstation security
- ▶ Network protocols
- ▶ Network vulnerabilities
- ▶ Network penetration testing
- ▶ DevOps
- ▶ DevNet
- ▶ System administration

- ▶ Cloud essentials, administration, security

- ▶ DevOps tools and principles
- ▶ Continuous integration and deployment
- ▶ API access

- ▶ Python
- ▶ XML, YAML, SAML, JSON

- ▶ Network security
- ▶ Services and automation

- ▶ Workstation and server for Windows and Linux

- ▶ Network operations analysis (Defence)
- ▶ Network penetration testing (Offence)

- ▶ Infrastructure deployment
- ▶ Securing protocols
- ▶ Penetration testing

- ▶ IT infrastructure
- ▶ Penetration testing
- ▶ Cloud management

- ▶ IT technician
- ▶ Network administrator
- ▶ Systems administrator
- ▶ Cybersecurity analyst
- ▶ CySa analyst

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**Defensive and
Offensive
Security**

**Secure
Software
Development**

Information and Computer Systems

- ▶ Software development
- ▶ Web / Mobile App programming
- ▶ Software security

- ▶ Web development
- ▶ Programming and software architecture
- ▶ Information systems and databases
- ▶ Workstation security
- ▶ Cloud application security
- ▶ Data security, DevOps and networking
- ▶ Software project management
- ▶ System administration

- ▶ Cloud computing for apps and databases

- ▶ DevOps tools and principles
- ▶ Cloud system administration

- ▶ Python, Swift
- ▶ Javascript, Java, C, C++
- ▶ SQL, HTML, CSS

- ▶ Networking
- ▶ Client / Server programming
- ▶ TCP/IP, Firewalls, DNS

- ▶ Workstation and server for Windows and Linux
- ▶ Raspberry Pi, Mac, iOS, Android interoperability

- ▶ Computer system security
- ▶ Securing application architectures
- ▶ Ethics

- ▶ Software development
- ▶ Web and Mobile App development
- ▶ Application security

- ▶ Secure software development
- ▶ Database management
- ▶ System administration
- ▶ Cloud integration

- ▶ Software, full-stack developer
- ▶ DevOps engineer
- ▶ Systems / Cloud engineer
- ▶ Software security analyst
- ▶ Cybersecurity analyst
- ▶ IT technician

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Primary Focus

Key Topics

Cloud Computing

DevOps

Programming

Networking

System Administration

Security Topics

Hands On Labs

Target Skillset

Career Pathways