Cyber Security Technologist Level 4 (2019 Start)

Month	January	February	March	April	May	June
IT Training and Assessing	Induction and Skills assessment	Cryptography	Cyber Security Introduction	Cyber Security Introduction	Cyber Security Introduction	Networks & Digital Comms
College training	**1 day** **Day 1**: Registration, eCordia, Skill scan, first task to be completed		**5 days** **Day 1**: Discovery test. Why cyber security matters **Day 2**: Basic Security Theory **Day 3**: Security Assurance **Day 4**: Applying Basic Security Concepts to Develop Security Requirements **Day 5**: Security Concepts Applied to ICT Cyber Infrastructure. Internal online test		**4 days** **Day 1**: Discovery test. Attack Techniques and Common Sources of Threat **Day 2**: Cyber Defence **Day 3**: Legal, Regulatory, Information Security and Ethical Standards Relevant to Cyber Security **Day 4**: Keeping Up with The Threat Landscape. Future Trends **Day 5**: Knowledge module exam	**5 days** **Day 1**: Discovery test. Network Data and Protocols **Day 2**: Network Data and Protocols **Day 3**: Layered Network Models **Day 4**: Layered Network Models (practical) **Day 5**: Layered Network Models (practical)
Assessment			Internal test		Knowledge module exam	
Employer projects	Review current project progression. Assess portfolio. Set next project and directed learning.	Review current project progression. Assess portfolio.	Review current project progression. Assess portfolio.	Review current project progression. Assess portfolio. Set next project and directed learning.	Review current project progression. Assess portfolio.	Review current project progression. Assess portfolio.
Progress reviews	Assessor review	✓	Assessor review	Assessor review	Assessor review	Assessor review

Month	July	August	September	October	November	December
IT Training and Assessing	Networks & Digital Comms	Networks & Digital Comms	Security Case Development	Security Case Development	Security Case Development	
College training		**5 days Day 1**: Discovery test. Recap of previous lessons. Network Routing Protocols **Day 2**: Network Routing Protocols **Day 3**: Network Performance **Day 4**: Network Performance **Day 5**: Knowledge module exam	**4 days** **Day 1**: Discovery test. IT Security Design Principles **Day 2**: IT Security Design Principles (Practical) **Day 3**: Common Security Architectures **Day 4**: Common Security Architectures		**5 days** **Day 1**: Discovery test. Recap of previous lessons. Common Criteria Protection Profile **Day 2**: Common Criteria Protection Profile **Day 3**: Security Case **Day 4**: Security Case **Day 5**: Knowledge module exam	
Assessment		Knowledge module exam			Knowledge module exam	
Employer projects	Review current project progression. Assess portfolio.	Review current project progression. Assess portfolio.	Review current project progression. Assess portfolio. Set next project and directed learning.	Review current project progression. Assess portfolio.	Review current project progression. Assess portfolio. Set next project and directed learning.	Review current project progression. Assess portfolio. Set next project and directed learning.
Progress reviews	✓	Assessor review	Assessor review	✓	Assessor review	Assessor review

Month	January	February	March	
IT Training and Assessing	Security Tech Build Blocks	Security Tech Build Blocks	Employment of Cryptography	
College training	**4 days** **Day 1:** Discovery test. Host-based Security **Day 2:** Host-based Security **Day 3:** Network-based Security **Day 4:** Network-based Security. Practical	**5 days** **Day 1:** Discovery test. Recap of previous lessons. Application of Security for Software and Data **Day 2:** Application of Security for Software and Data **Day 3:** Management of Network Security and Risk in Networked Systems **Day 4:** Management of Network Security and Risk in Networked Systems. Practical **Day 5:** BCS online assessment	**5 days** **Day 1:** Discovery test. Theory of cryptographic techniques **Day 2:** Theory of cryptographic techniques **Day 3:** Theory of cryptographic techniques **Day 4:** Deployment of cryptography **Day 5:** Deployment of cryptography	
Assessment		BCS online assessment		
Employer projects	Review current project progression. Assess portfolio.	Review current project progression. Assess portfolio. Set next project and directed learning.	Review current project progression. Assess portfolio.	
Progress reviews	✓	Assessor review	Assessor review	
Month	April	May	June	July
IT Training and Assessing	Employment of Cryptography	Start of EPA	EPA	EPA
College training	**5 days** **Day 1:** Discovery test. Recap of previous lessons. Deployment of cryptography **Day 2:** Cryptography across jurisdictions **Day 3:** Cryptography across jurisdictions Day 4: Revision **Day 5:** BCS online assessment		Synoptic project	
Assessment	BCS online assessment			
Employer projects	Review current project progression. Assess portfolio. Set next project and directed learning.			
Progress reviews	Assessor review			
Apprentices must complete the projects and portfolio.	In addition to the days in college, apprentices will spend 5 hours per week (recorded) on portfolio development.		At the end of each week in college, the apprentices must pass the internal or BCS online test before proceeding to the next module	

Hours per week at work, off the
job, performing apprenticeship tasks: 5