Applying SFIA's skills to cybersecurity focus areas

SFIA® FOUNDATION

	1	2	3	4	5	6	7
Cybersecurity strategy and leadership							
Strategic planning					●	●	●
Information security				●	●	●	●
Demand management					●	●	
Stakeholder relationship management				●	●	●	●
Cybersecurity architecture							
Requirements definition and management			●	●	●	●	
Enterprise and business architecture					●	●	●
Solution architecture				●	●	●	
Data management				●	●	●	
Cybersecurity research and intelligence							
Research			●	●	●	●	
Vulnerability research				●	●	●	
Threat intelligence			●	●	●	●	
Cybersecurity governance, risk and compliance							
Governance						●	●
Risk management				●	●	●	●
Audit				●	●	●	●
Personal data protection					●	●	
Information management				●	●	●	●
Information assurance				●	●	●	●
Quality management				●	●	●	●
Measurement				●	●	●	
Cybersecurity advice and guidance							
Consultancy				●	●	●	●
Specialist advice				●	●	●	

	1	2	3	4	5	6	7
Secure software and systems development							
Systems development management					●	●	●
Systems and software life cycle engineering				●	●	●	●
Systems design			●	●	●	●	
Software design			●	●	●	●	
Network design			●	●	●	●	
Hardware design			●	●	●	●	
Programming/software development			●	●	●	●	
Systems integration and build			●	●	●	●	
Testing		●	●	●	●	●	
Real-time/embedded systems development			●	●	●	●	
Penetration testing			●	●	●	●	
Secure supply chain							
Sourcing			●	●	●	●	●
Supplier management			●	●	●	●	●
Cybersecurity change programmes							
Programme management						●	●
Project management				●	●	●	●

Security specialists need specialised skills in cybersecurity and also a range of other skills which are re-useable in the wider organisational context.

For **professionals outside of the security domain**, a foundational understanding of security principles is necessary, complementing their role-specific knowledge. They need the skills for their own specialism and the know-how to apply secure working practices within their roles. E.g. for risk management, software engineering, networks, technology infrastructure.

	1	2	3	4	5	6	7
Secure infrastructure management							
Technology service management					●	●	●
IT infrastructure	●	●	●	●	●		
Network support		●	●	●	●		
Database administration		●	●	●	●		
Release and deployment			●	●	●	●	
Storage management			●	●	●	●	
Cybersecurity resilience							
Security operations	●	●	●	●	●	●	
Continuity management		●	●	●	●	●	
Incident management		●	●	●	●		
Change control		●	●	●	●	●	
Asset management		●	●	●	●	●	
Vulnerability assessment		●	●	●	●		
Digital forensics			●	●	●	●	
Cybersecurity talent management							
Performance management				●	●	●	
Employee experience				●	●	●	
Professional development				●	●	●	
Workforce planning				●	●	●	
Resourcing			●	●	●	●	
Cybersecurity education and training							
Knowledge management		●	●	●	●	●	●
Learning and development management			●	●	●	●	●
Certification Scheme Operation		●	●	●	●	●	
Teaching		●	●	●	●	●	●
Subject formation				●	●	●	●