Skills Matrix Roadmap:

Focus Areas: ISO 27005, NIST CSF, GDPR, ISO 22301, AI in Cybersecurity

Structure: Phased development aligned with technical and strategic growth

Phase 1: Foundation (Month 1–2)

Skill Area	Current Level	Target Level	Key Actions	Success Indicator
BCDR Planning	Intermediate	Advance	Study ISO 22301; design mock DR plan using AWS Resilience Hub	Submit DRaaS architecture proposal
Risk Quantification (CVSS / AHP)	Beginner	Intermediate	Apply CVSS v3.1; learn AHP; interpret scoring bias research	Score and justify risks in group case study
Reflective Practice	Developing	Strong	Weekly journals using Rolfe's Model	Submit monthly reflection summary

Phase 2: Applied Skills (Month 3–4):

Skill Area	Current Level	Target Level	Key Actions	Success Indicator
Threat Modelling (STRIDE / PASTA)	Intermediate	Advanced	Complete OWASP labs; simulate attacker behavior via MITRE ATT&CK	Deliver peer-led STRIDE workshop
Security Standards (ISO / NIST)	Intermediate	Advanced	Apply ISO 27005 and NIST CSF in case-based risk treatment	Lead standards-based risk assessment
GitHub Hands-on Skills	Developing	Proficient	Practice branching, pull requests, merging	Complete collaborative GitHub project

Phase 3: Strategic & Emerging (Month 4–6):

Skill Area	Current Level	Target Level	Key Actions	Success Indicator
Cloud Security & Vendor Lock-In	Beginner	Intermediate	Simulate hybrid/multi-cloud failover scenarios	Complete cloud failover simulation
Compliance & Legal (GDPR)	Intermediate	Advanced	Map controls to Articles 5 & 32; analyse case studies	Complete GDPR audit checklist
AI in Cybersecurity	Beginner	Intermediate	Explore threat detection, SOC automation, adversarial AI tools	Deliver blog post or presentation

Development Notes:

- **Review Cycle:** Quarterly updates to track progress and refine goals.

- **Certifications to Target:**

  - GDPR Practitioner

  - AI in Cybersecurity

References:

Advisera. (2025). *ISO 22301 – Where to Start? Free Articles and Webinars.* Available at: https://advisera.com/iso-22301/ [Accessed 20 Oct. 2025].

CertiKit. (2025). *ISO 22301 Implementation Guide – Business Continuity Toolkit.* Available at: https://certikit.com/iso-22301-implementation-guide/ [Accessed 20 Oct. 2025].

Deloitte. (2025). *Artificial Intelligence Cybersecurity Forecasts: Government and Public Sector Insights.* Available at: https://www.deloitte.com/us/en/Industries/government-public/articles/2025-artificial-intelligence-cybersecurity-forecasts.html [Accessed 20 Oct. 2025].

ENISA. (2023). *SMEs Cybersecurity – Awareness and Cyber Hygiene.* Available at: https://www.enisa.europa.eu/topics/awareness-and-cyber-hygiene/smes-cybersecurity [Accessed 20 Oct. 2025].

Kurtz, W. J. et al. (2024). 'Shedding light on CVSS scoring inconsistencies: A user-centric study on evaluating widespread security vulnerabilities', *IEEE Symposium on Security and Privacy*, pp. 1102–1121. DOI: [placeholder – check IEEE Xplore].

Secureframe. (2023). *The ISO 27005 Approach to Information Security Risk Management: 2022 Updates Explained.* Available at: https://secureframe.com/blog/iso-27005 [Accessed 20 Oct. 2025].

Thales. (2025). *How AI Is Shaping Cybersecurity Trends.* Available at:

https://cpl.thalesgroup.com/blog/data-security/how-ai-is-shaping-cybersecurity-trends-

2025 [Accessed 20 Oct. 2025].

World Economic Forum. (2025). *Cybersecurity Awareness: AI Threats and*

Cybercrime in 2025. Available at:

https://www.weforum.org/stories/2025/09/cybersecurity-awareness-month-cybercrime-

ai-threats-2025 [Accessed 20 Oct. 2025].

ISO27k Forum. (2025). *Free ISO 27005 Toolkit – Risk Management Resources.*

Available at: https://www.iso27001security.com/html/toolkit.html [Accessed 20 Oct.

2025].