

Here's a comprehensive list of **cybersecurity certifications**, starting from beginner to advanced levels:

Beginner-Level Certifications

Ideal for those just starting out in cybersecurity or IT.

1. **CompTIA Security+**
 - Covers: Network security, risk management, and operational security.
 - Good first step for foundational knowledge.
 2. **Certified Cybersecurity Technician (CCT) – EC-Council**
 - Covers: Cybersecurity principles, tools, and techniques for entry-level roles.
 3. **Cisco Certified CyberOps Associate**
 - Covers: Fundamentals of SOC operations and threat analysis.
 4. **(ISC)² Certified in Cybersecurity (CC)**
 - Covers: Security principles, risk management, and incident response.
 5. **Microsoft Security, Compliance, and Identity Fundamentals (SC-900)**
 - Covers: Basic concepts of security, compliance, and identity.
 6. **GIAC Information Security Fundamentals (GISF)**
 - Covers: Cybersecurity basics, cryptography, and network protocols.
 7. **Introduction to Cybersecurity (Free Course by Cisco Networking Academy)**
 - Ideal to test interest before diving into certifications.
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Intermediate-Level Certifications

For individuals with some experience or IT background.

1. **Certified Ethical Hacker (CEH) – EC-Council**
 - Covers: Hacking techniques, penetration testing, and vulnerabilities.
2. **CompTIA Cybersecurity Analyst (CySA+)**
 - Covers: Threat detection and response with hands-on security skills.
3. **Certified Network Defender (CND) – EC-Council**
 - Covers: Network defense strategies and techniques.
4. **GIAC Security Essentials (GSEC)**

- Covers: Hands-on skills in cybersecurity and IT systems.
 - 5. **Cisco Certified Network Associate (CCNA) Security**
 - Focuses on secure networking concepts and device security.
 - 6. **eLearnSecurity Junior Penetration Tester (eJPT)**
 - Covers: Practical penetration testing skills.
 - 7. **Offensive Security Certified Professional (OSCP)**
 - Hands-on certification for penetration testing and ethical hacking.
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Advanced-Level Certifications

Targeted at experienced professionals aiming for leadership or highly specialized roles.

1. **Certified Information Systems Security Professional (CISSP)** – (ISC)²
 - Covers: Risk management, access control, and incident response.
 - Ideal for managerial roles.
 2. **Certified Information Security Manager (CISM)** – ISACA
 - Focus: Managing and governing cybersecurity teams.
 3. **Certified Information Systems Auditor (CISA)** – ISACA
 - Covers: Auditing, risk management, and governance in IT.
 4. **GIAC Penetration Tester (GPEN)**
 - Advanced penetration testing skills.
 5. **Offensive Security Experienced Penetration Tester (OSEP)**
 - Advanced level of OSCP with focus on bypassing defenses.
 6. **Certified Chief Information Security Officer (CCISO)** – EC-Council
 - For senior-level executives in cybersecurity.
 7. **GIAC Security Expert (GSE)**
 - Elite-level certification with a comprehensive exam and practical lab.
 8. **CompTIA Advanced Security Practitioner (CASP+)**
 - Covers: Enterprise-level security, cryptography, and advanced threat management.
 9. **Offensive Security Certified Expert (OSCE)**
 - Focus on advanced exploitation and custom tool creation.
 10. **Certified Cloud Security Professional (CCSP)** – (ISC)²
 - Focus: Cloud security architectures and operations.
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Specialized Certifications

For niche areas in cybersecurity:

1. **Certified Incident Handler (GCIH)**
 - Incident handling and response strategies.
 2. **GIAC Exploit Researcher and Advanced Penetration Tester (GXPN)**
 - For exploit development and advanced penetration testing.
 3. **CREST Registered Penetration Tester (CRT)**
 - Highly respected in penetration testing.
 4. **PCI Professional (PCIP)**
 - Focuses on payment card security.
 5. **EC-Council Certified SOC Analyst (CSA)**
 - SOC monitoring and threat analysis.
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Roadmap Summary:

1. **Start with Beginner Certifications** (Security+, (ISC)² CC, SC-900).
2. **Move to Intermediate Certifications** (CEH, CySA+, CND).
3. **Advance to Expert-Level Certifications** (CISSP, CISM, CCSP).
4. **Choose Specializations** based on interests like penetration testing, cloud security, or auditing.