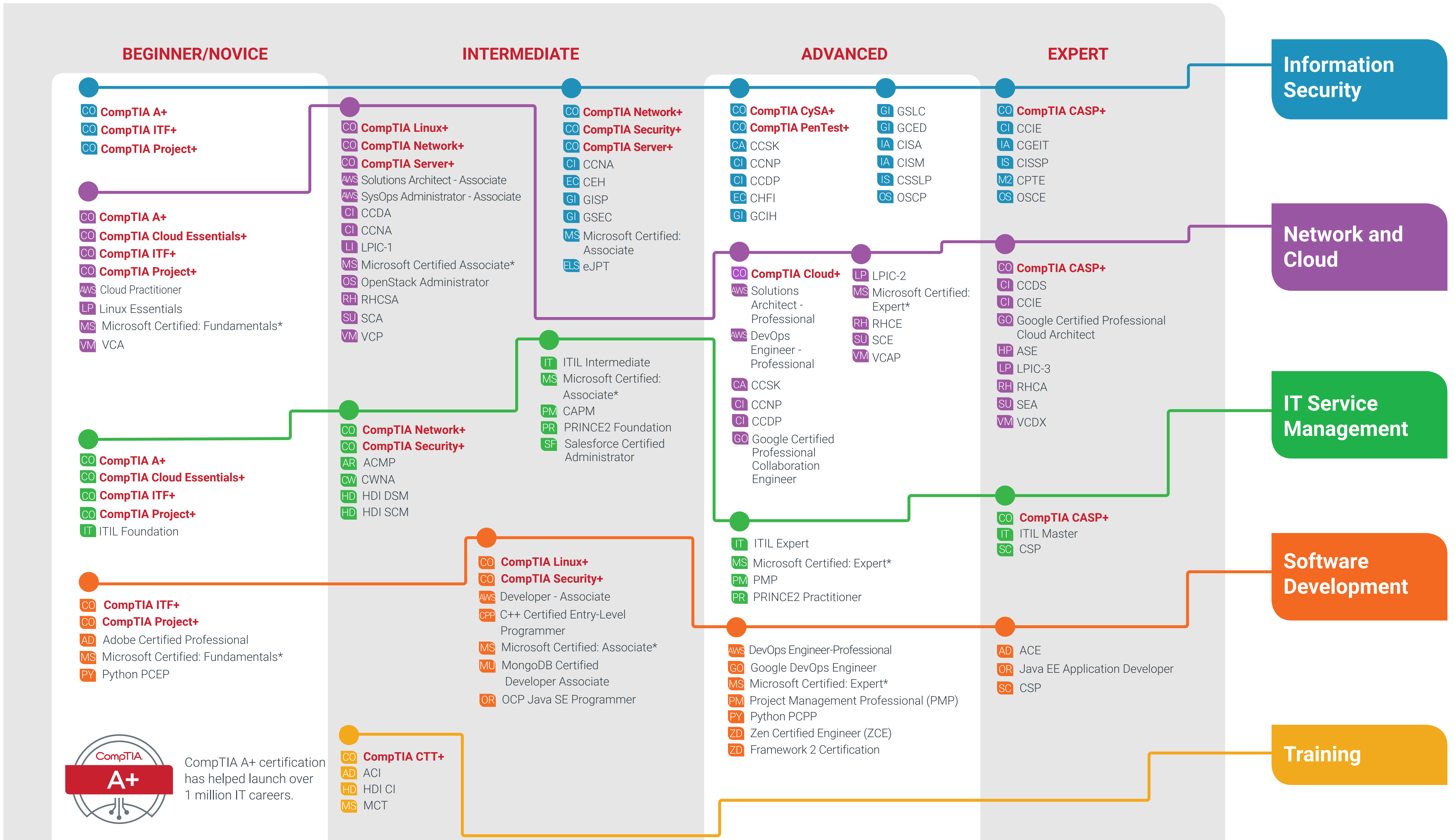


IT Certification Roadmap

Explore the possibilities with the CompTIA Interactive IT Roadmap at:
[CompTIA.org/CertsRoadmap](https://www.comptia.org/CertsRoadmap)



Certifications validate expertise in your chosen career.



Computer literacy certifications validating end user skills include IC3 and ECDL/ICDL

Updated 5/2021

*Microsoft provides three certification paths. Please visit Microsoft's webpage for a full list of their offerings: <https://bit.ly/3tJYm8Z>

CO CompTIA Certifications

BEGINNER/NOVICE

CompTIA A+
CompTIA Cloud Essentials+
CompTIA ITF+
CompTIA Project+

INTERMEDIATE

CompTIA CTT+: Certified Technical Trainer

CompTIA Linux+
CompTIA Network+
CompTIA Security+
CompTIA Server+

ADVANCED

CompTIA Cloud+
CompTIA CySA+: Cybersecurity Analyst
CompTIA PenTest+

EXPERT

CompTIA CASP+: CompTIA Advanced Security Practitioner

AD Adobe

BEGINNER/NOVICE

ACP: Adobe Certified Professional

INTERMEDIATE

ACI: Adobe Certified Instructor

EXPERT

ACE: Adobe Certified Expert

AR Aruba

INTERMEDIATE

ACMP: Aruba Certified Mobility Professional

AWS Amazon Web Services

BEGINNER/NOVICE

AWS: Cloud Practitioner

INTERMEDIATE

AWS: Certified Solutions Architect - Associate

AWS: Certified SysOps Administrator - Associate

AWS: Certified Developer - Associate

ADVANCED

AWS: Certified Solutions Architect - Professional

AWS: Certified DevOps Engineer - Professional

CA Cloud Security Alliance

ADVANCED

CCSK: Certificate of Cloud Security Knowledge

CI Cisco Systems

INTERMEDIATE

CCDA: Cisco Certified DevNet Associate
CCNA: Cisco Certified Network Associate

ADVANCED

CCDP: Cisco Certified DevNet Professional

CCNP: Cisco Certified Network Professional

EXPERT

CCDS: Cisco Certified DevNet Specialist

CCIE: Cisco Certified Internetwork Expert

CPP CPP Institute

INTERMEDIATE

CPP: C++ Certified Entry-Level Programmer

CW CWNP

INTERMEDIATE

CWNA: Certified Wireless Network Administrator

EC EC Council

INTERMEDIATE

CEH: Certified Ethical Hacker

ADVANCED

CHFI: Computer Hacking Forensic Investigator

ELS eLearnSecurity

INTERMEDIATE

eJPT: eLearnSecurity Junior Penetration Tester

GI GIAC

INTERMEDIATE

GISP: GIAC Information Security Professional

GSEC: GIAC Security Essentials

ADVANCED

GCED: Certified Enterprise Defender

GCIH: GIAC Certified Incident Handler

GSLC: Security Leadership

GO Google

ADVANCED

GO: Google Certified Professional Collaboration Engineer

GO: Google DevOps Engineer

EXPERT

GO: Google Certified Professional Cloud Architect

HD HDI Global Certification

INTERMEDIATE

HDI CI: HDI Certified Instructor

HDI DSM: HDI Desktop Support Manager

HDI SCM: HDI Support Center Manager

HP Hewlett-Packard

EXPERT

ASE: Accredited Systems Engineer

IA ISACA

ADVANCED

CISA: Certified Information Systems Auditor

CISM: Certified Information Security Manager

EXPERT

CGEIT: Certified in the Governance of Enterprise IT

IS (ISC)²

ADVANCED

CSSLP: Certified Secure Software Lifecycle Professional

EXPERT

CISSP: Certified Information Systems Security Professional

IT ITIL

BEGINNER/NOVICE

ITIL Foundations

INTERMEDIATE

ITIL Intermediate

ADVANCED

ITIL Expert

EXPERT

ITIL Master

LP Linux Professional Institute

BEGINNER/NOVICE

Linux Essentials

INTERMEDIATE

LPIC-1 Linux Administrator

ADVANCED

LPIC-2 Linux Engineer

EXPERT

LPIC-3 Linux Professional

M2 Mile2

EXPERT

CPTE: Certified Penetration Testing Engineer

MS MS Microsoft

BEGINNER/NOVICE:

Microsoft Certified: Fundamentals

INTERMEDIATE:

Microsoft Certified: Associate

ADVANCED:

Microsoft Certified: Expert

MU MongoDB University

INTERMEDIATE

MongoDB Certified Developer Associate

PR PRINCE2

INTERMEDIATE

PRINCE2 Foundation

ADVANCED

PRINCE2 Practitioner

OR Oracle

INTERMEDIATE

OCP: Java SE Programmer

EXPERT

OCPJAD: Java EE Application Developer

OS Offensive Security

ADVANCED

OSCP: Offensive Security Certified Professional

EXPERT

OSCE: Offensive Security Certified Expert

PM PMI

INTERMEDIATE

CAPM: PMI Certified Associate in Project Management

ADVANCED

PMP: PMI Project Professional

PY Python Institute

BEGINNER/NOVICE

Python PCEP

ADVANCED

Python PCPP

RH Red Hat

INTERMEDIATE

RHCSA: Red Hat Certified System Administrator

ADVANCED

RHCE: Red Hat Certified Engineer

EXPERT

RHCA: Red Hat Certified Architect

SC Scrum Alliance

EXPERT

CSP: Certified Scrum Professional

SF Salesforce

INTERMEDIATE

Salesforce Certified Administrator

SU SUSE

INTERMEDIATE

SCA: SUSE Certified Administrator

ADVANCED

SCE: SUSE Certified Engineer

EXPERT

SEA: SUSE Enterprise Architect

VM VMware

BEGINNER/NOVICE

VCA: VMware Certified Associate

INTERMEDIATE

VCP: VMware Certified Professional

ADVANCED

VCAP: VMware Certified Advanced Professional

EXPERT

VCDX: VMware Certified Design Expert

ZD Zend

ADVANCED

Zen Certified Engineer (ZCE) Framework 2 Certification

Certification Criteria

CompTIA reviews developments in the IT certification landscape and adjusts the IT Certifications Roadmap as necessary.

To be included in the IT Certifications Roadmap, a certification must meet at least 60% (3 out of 5) of the following criteria.

- **Acceptable Development Standards:** Developed based on processes established by a standards body. (For example: ISO/ANSI.)
- **Training Industry Recognition:** Third-party training products are available to prepare individuals for the certification. (For example: books, ebooks, videos, bootcamps, practice tests)
- **IT Industry Recognition – Media:** Cited in industry publications either online or in print. (For example: SC Magazine, PC World, and surveys from respected journals)
- **IT Industry Recognition – Authority:** Cited by Subject Matter Experts in the IT industry. (For example: SMEs that work regularly with CompTIA, recognition from other certification bodies)
- **Employer Recognition:** Cited in jobs ads and postings for positions in targeted job roles. Data should be available from an objective, third party organization (e.g., Burning Glass or Indeed.com).

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