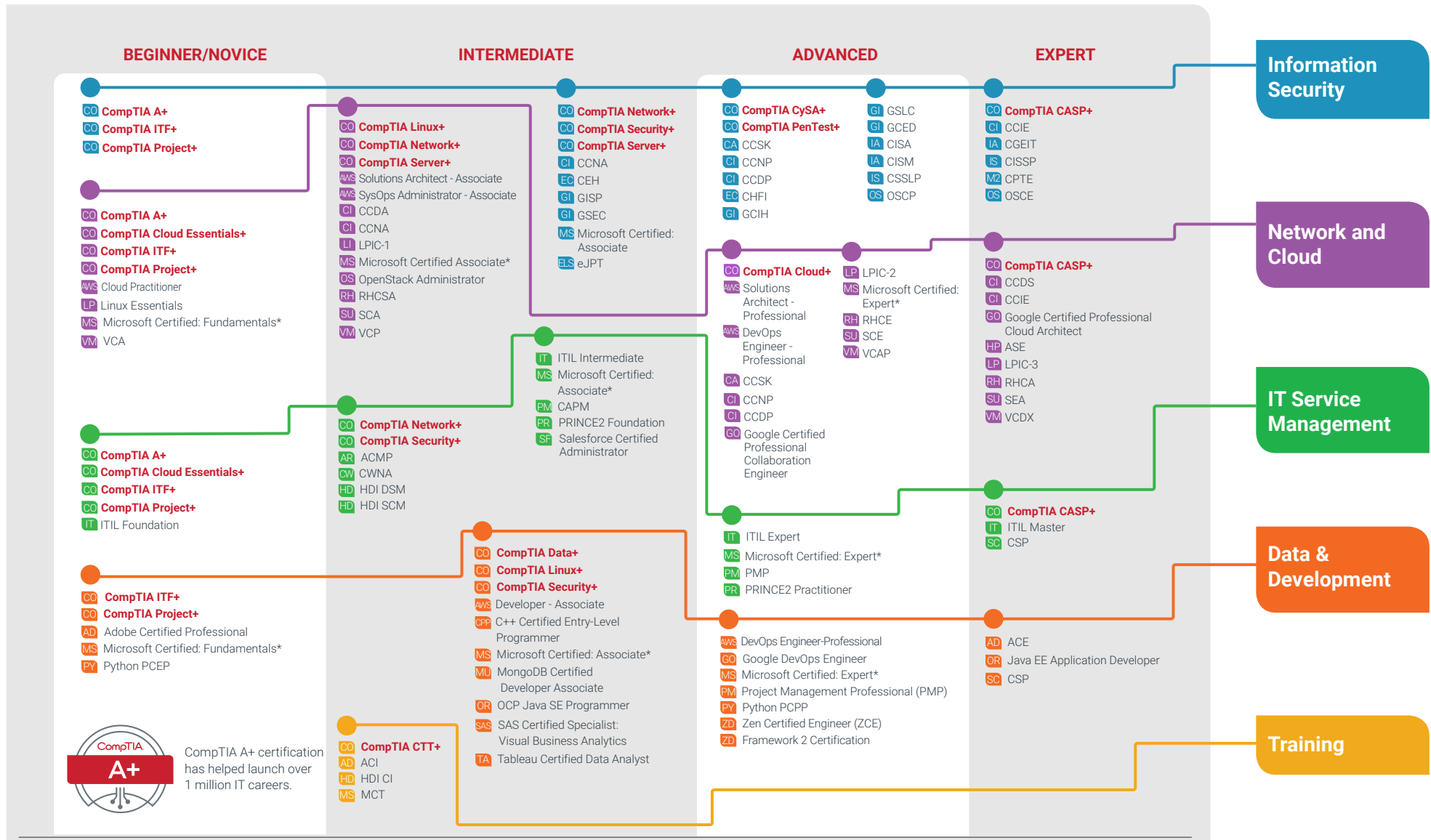


# IT Certification Roadmap

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

Certifications validate expertise in your chosen career.



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

Updated 4/2022

\*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 Data+**  
**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)<sup>2</sup>

### 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

**OCJP**: Java SE Programmer

### EXPERT

**OCJPJAD**: 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

## SAS SAS

### INTERMEDIATE

**SAS Certified Specialist: Visual Business Analytics**

## 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

## TA Tableau

### INTERMEDIATE

**Tableau Certified Data Analyst**

## 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).