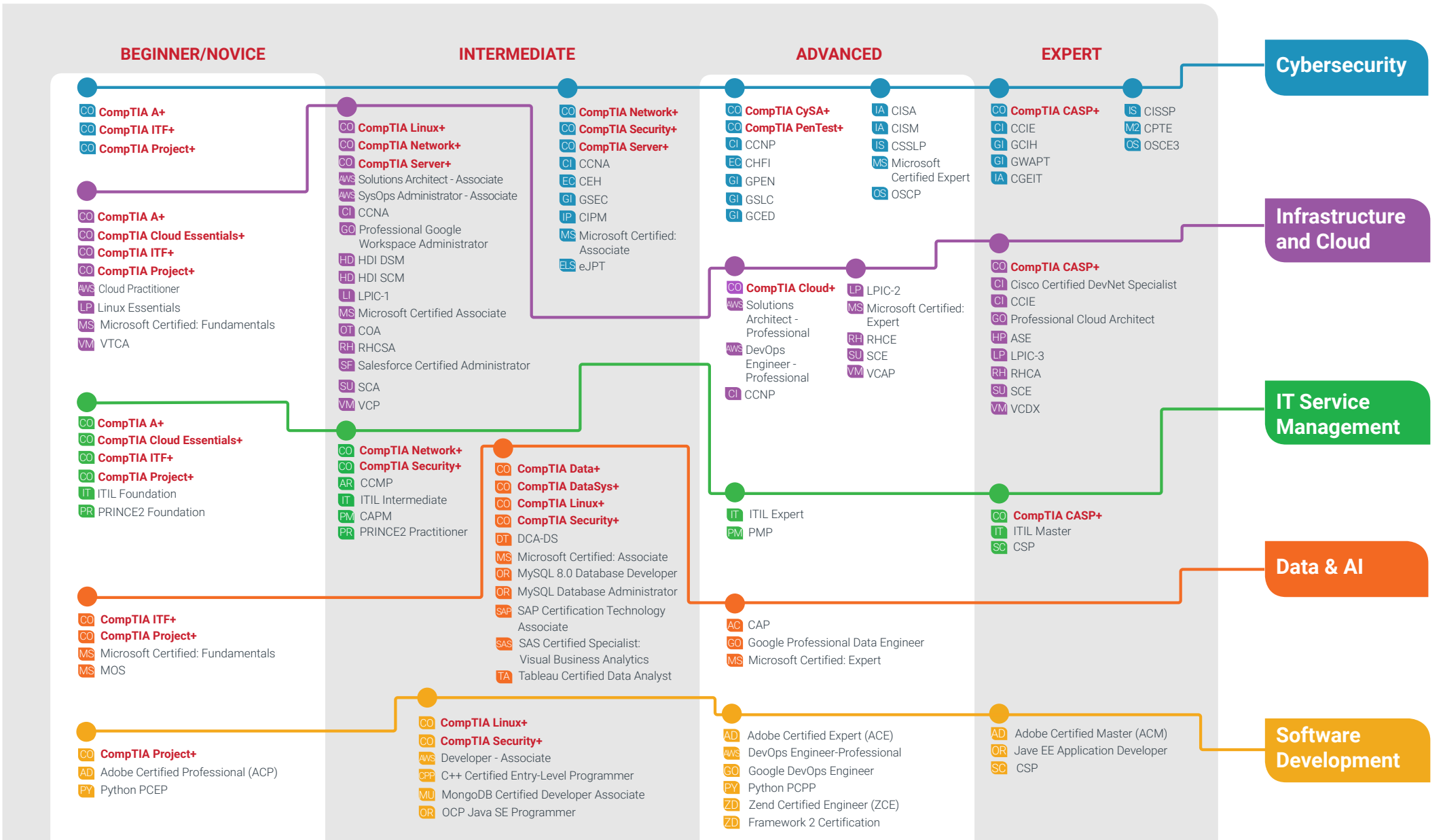


# IT Certification Roadmap

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



Certifications validate expertise in your chosen career.



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

Updated 4/2023

\*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 Data+  
CompTIA DataSys+  
CompTIA Linux+  
CompTIA Network+  
CompTIA Security+  
CompTIA Server+

ADVANCED

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

EXPERT

CompTIA CASP+: CompTIA Advanced Security Practitioner

## AC Analytics Certification Board

ADVANCED

ACB: Certified Analytics Professional (CAP)

## AD Adobe

BEGINNER/NOVICE

ACP: Adobe Certified Professional

ADVANCED

ACE: Adobe Certified Expert

EXPERT

ACM: Adobe Certified Master

## AR Association of Change Management

INTERMEDIATE

CCMP: Certified Change Management 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

## CI Cisco Systems

INTERMEDIATE

CCNA: Cisco Certified Network Associate

ADVANCED

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

## DT Dell Technologies

INTERMEDIATE

Dell Technologies Data Science Associate

## 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

GSEC: GIAC Security Essentials

ADVANCED

GCED: Certified Enterprise Defender

GPEN: GIAC Penetration Tester

GSLC: Security Leadership

GWAPT: GIAC Web Application Penetration Tester

EXPERT

GCIH: GIAC Certified Incident Handler

## GO Google

INTERMEDIATE

GO: Professional Google Workspace Administrator

ADVANCED

GO: Google DevOps Engineer

GO: Google Professional Data Engineer

EXPERT

GO: Professional Cloud Architect

## HD HDI Global Certification

INTERMEDIATE

HDI DSM: HDI Desktop Support Manager

HDI SCM: HDI Support Center Manager

## HP Hewlett-Packard

EXPERT

ASE: Accredited Systems Engineer

## IP IAPP

INTERMEDIATE

CIPM: Certified Information Privacy Manager

## 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

ADVANCED

LPIC-2

EXPERT

LPIC-3

## M2 Mile2

EXPERT

CPTe: Certified Penetration Testing Engineer

## MS MS Microsoft

BEGINNER/NOVICE

Microsoft Certified: Fundamentals  
Microsoft Office Specialist

INTERMEDIATE

Microsoft Certified: Associate

ADVANCED

Microsoft Certified: Expert

## MU MongoDB University

INTERMEDIATE

MongoDB Certified Developer Associate

## OR Oracle

INTERMEDIATE

OCP: Java SE Programmer

EXPERT

OCPJAD: Java EE Application Developer

## OS Offensive Security

ADVANCED

OSCP: Offensive Security Certified Professional

EXPERT

OSCE3: Offensive Security Certified Expert 3

## OT OpenStack

INTERMEDIATE

COA: Certified OpenStack Administrator

## PM PMI

INTERMEDIATE

CAPM: PMI Certified Associate in Project Management

ADVANCED

PMP: PMI Project Professional

## PR PRINCE2

BEGINNER/NOVICE

PRINCE2 Foundation

INTERMEDIATE

PRINCE2 Practitioner

## 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

SCE: SUSE Certified Engineer

## TA Tableau

INTERMEDIATE

Tableau Certified Data Analyst

## VM VMware

BEGINNER/NOVICE

VCTA: VMware Certified Technical Associate

INTERMEDIATE

VCP: VMware Certified Professional

ADVANCED

VCAP: VMware Certified Advanced Professional

EXPERT

VCDX: VMware Certified Design Expert

## ZD Zend

ADVANCED

Zend 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).