IT Certification Roadmap
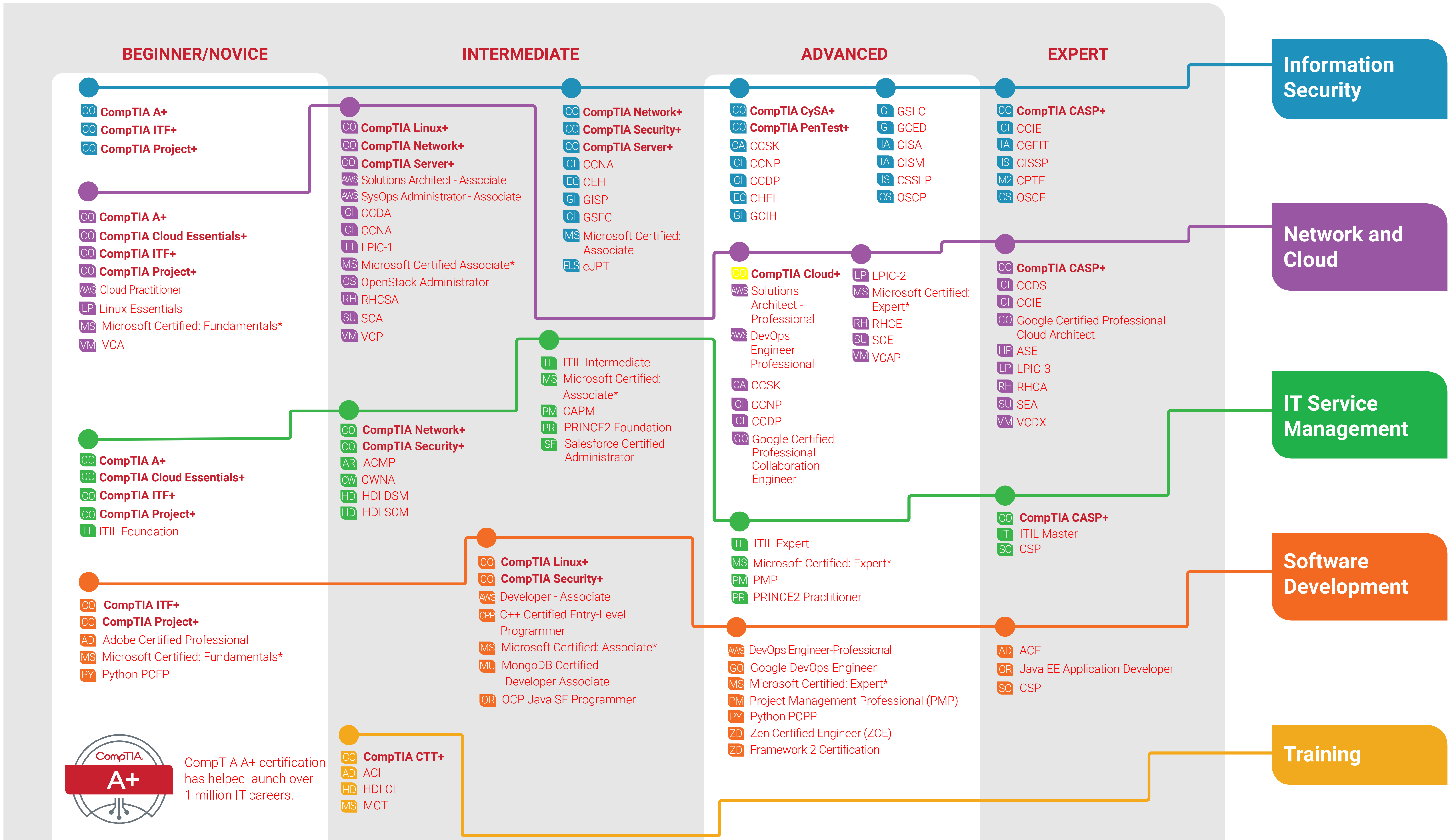
Explore the possibilities with the CompTIA Interactive IT Roadmap at:
CompTIA.org/CertsRoadmap

CompTIA.

Certifications validate expertise in your chosen career.

BEGINNER/NOVICE	INTERMEDIATE	ADVANCED	EXPERT	

Information Security

BEGINNER/NOVICE
- CO **CompTIA A+**
- CO **CompTIA ITF+**
- CO **CompTIA Project+**

INTERMEDIATE
- CO **CompTIA Network+**
- CO **CompTIA Security+**
- CO **CompTIA Server+**
- CI CCNA
- EC CEH
- GI GISP
- GI GSEC
- MS Microsoft Certified: Associate
- ELS eJPT

ADVANCED
- CO **CompTIA CySA+**
- CO **CompTIA PenTest+**
- CA CCSK
- CI CCNP
- CI CCDP
- EC CHFI
- GI GCIH
- GI GSLC
- GI GCED
- IA CISA
- IA CISM
- IS CSSLP
- OS OSCP

EXPERT
- CO **CompTIA CASP+**
- CI CCIE
- IA CGEIT
- IS CISSP
- M2 CPTE
- OS OSCE

Network and Cloud

BEGINNER/NOVICE
- CO **CompTIA A+**
- CO **CompTIA Cloud Essentials+**
- CO **CompTIA ITF+**
- CO **CompTIA Project+**
- AWS Cloud Practitioner
- LP Linux Essentials
- MS Microsoft Certified: Fundamentals*
- VM VCA

INTERMEDIATE
- CO **CompTIA Linux+**
- CO **CompTIA Network+**
- CO **CompTIA Server+**
- AWS Solutions Architect - Associate
- AWS SysOps Administrator - Associate
- CI CCDA
- CI CCNA
- LI LPIC-1
- MS Microsoft Certified Associate*
- OS OpenStack Administrator
- RH RHCSA
- SU SCA
- VM VCP

ADVANCED
- CO **CompTIA Cloud+**
- AWS Solutions Architect - Professional
- AWS DevOps Engineer - Professional
- CA CCSK
- CI CCNP
- CI CCDP
- GO Google Certified Professional Collaboration Engineer
- LP LPIC-2
- MS Microsoft Certified: Expert*
- RH RHCE
- SU SCE
- VM VCAP

EXPERT
- CO **CompTIA CASP+**
- CI CCDS
- CI CCIE
- GO Google Certified Professional Cloud Architect
- HP ASE
- LP LPIC-3
- RH RHCA
- SU SEA
- VM VCDX

IT Service Management

BEGINNER/NOVICE
- CO **CompTIA A+**
- CO **CompTIA Cloud Essentials+**
- CO **CompTIA ITF+**
- CO **CompTIA Project+**
- IT ITIL Foundation

INTERMEDIATE
- CO **CompTIA Network+**
- CO **CompTIA Security+**
- AR ACMP
- CW CWNA
- HD HDI DSM
- HD HDI SCM
- IT ITIL Intermediate
- MS Microsoft Certified: Associate*
- PM CAPM
- PR PRINCE2 Foundation
- SF Salesforce Certified Administrator

ADVANCED
- IT ITIL Expert
- MS Microsoft Certified: Expert*
- PM PMP
- PR PRINCE2 Practitioner

EXPERT
- CO **CompTIA CASP+**
- IT ITIL Master
- SC CSP

Software Development

BEGINNER/NOVICE
- CO **CompTIA ITF+**
- CO **CompTIA Project+**
- AD Adobe Certified Professional
- MS Microsoft Certified: Fundamentals*
- PY Python PCEP

INTERMEDIATE
- CO **CompTIA Linux+**
- CO **CompTIA Security+**
- AWS Developer - Associate
- CPP C++ Certified Entry-Level Programmer
- MS Microsoft Certified: Associate*
- MU MongoDB Certified Developer Associate
- OR OCP Java SE Programmer

ADVANCED
- AWS DevOps Engineer-Professional
- GO Google DevOps Engineer
- MS Microsoft Certified: Expert*
- PM Project Management Professional (PMP)
- PY Python PCPP
- ZD Zen Certified Engineer (ZCE)
- ZD Framework 2 Certification

EXPERT
- AD ACE
- OR Java EE Application Developer
- SC CSP

Training

INTERMEDIATE
- CO **CompTIA CTT+**
- AD ACI
- HD HDI CI
- MS MCT

CompTIA A+

CompTIA A+ certification has helped launch over 1 million IT careers.

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

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

BEGINNER/NOVICE
ACP: Adobe Certified Professional
INTERMEDIATE
ACI: Adobe Certified Instructor
EXPERT
ACE: Adobe Certified Expert

INTERMEDIATE
ACMP: Aruba Certified Mobility
  Professional

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

ADVANCED
CCSK: Certificate of Cloud Security
  Knowledge

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

INTERMEDIATE
CPP: C++ Certified Entry-Level
  Programmer

INTERMEDIATE
CWNA: Certified Wireless Network
  Administrator

INTERMEDIATE
CEH: Certified Ethical Hacker
ADVANCED
CHFI: Computer Hacking Forensic
  Investigator

INTERMEDIATE
eJPT: eLearnSecurity Junior Penetration
  Tester

INTERMEDIATE
GISP: GIAC Information Security
  Professional
GSEC: GIAC Security Essentials
ADVANCED
GCED: Certified Enterprise Defender
GCIH: GIAC Certified Incident Handler
GSLC: Security Leadership

ADVANCED
GO: Google Certified Professional
  Collaboration Engineer
GO: Google DevOps Engineer
EXPERT
GO: Google Certified Professional Cloud
  Architect

INTERMEDIATE
HDI CI: HDI Certified Instructor
HDI DSM: HDI Desktop Support Manager
HDI SCM: HDI Support Center Manager

EXPERT
ASE: Accredited Systems Engineer

ADVANCED
CISA: Certified Information
  Systems Auditor
CISM: Certified Information
  Security Manager
EXPERT
CGEIT: Certified in the Governance
  of Enterprise IT

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ADVANCED
CSSLP: Certified Secure Software
  Lifecycle Professional
EXPERT
CISSP: Certified Information Systems
  Security Professional

BEGINNER/NOVICE
ITIL Foundations
INTERMEDIATE
ITIL Intermediate
ADVANCED
ITIL Expert
EXPERT
ITIL Master

BEGINNER/NOVICE
Linux Essentials
INTERMEDIATE
LPIC-1 Linux Administrator
ADVANCED
LPIC-2 Linux Engineer
EXPERT
LPIC-3 Linux Professional

EXPERT
CPTE: Certified Penetration
  Testing Engineer

BEGINNER/NOVICE:
Microsoft Certified: Fundamentals
INTERMEDIATE:
Microsoft Certified: Associate
ADVANCED:
Microsoft Certified: Expert

INTERMEDIATE
MongoDB Certified Developer Associate

INTERMEDIATE
PRINCE2 Foundation
ADVANCED
PRINCE2 Practitioner

INTERMEDIATE
OCP: Java SE Programmer
EXPERT
OCPJAD: Java EE Application Developer

ADVANCED
OSCP: Offensive Security Certified
  Professional
EXPERT
OSCE: Offensive Sercurity Certified
  Expert

INTERMEDIATE
CAPM: PMI Certified Associate in
  Project Management
ADVANCED
PMP: PMI Project Professional

BEGINNER/NOVICE
Python PCEP
ADVANCED
Python PCPP

INTERMEDIATE
RHCSA: Red Hat Certified System
  Administrator
ADVANCED
RHCE: Red Hat Certified Engineer
EXPERT
RHCA: Red Hat Certified Architect

EXPERT
CSP: Certified Scrum Professional

INTERMEDIATE
Salesforce Certified Administrator

INTERMEDIATE
SCA: SUSE Certified Administrator
ADVANCED
SCE: SUSE Certified Engineer
EXPERT
SEA: SUSE Enterprise Architect

BEGINNER/NOVICE
VCA: VMware Certified Associate
INTERMEDIATE
VCP: VMware Certified Professional
ADVANCED
VCAP: VMware Certified Advanced
  Professional
EXPERT
VCDX: VMware Certified Design Expert

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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