Cloud Computing

Certifications Available

- AWS Certified Solutions Architect
- Certificate of Cloud Security Knowledge
- Certified OpenStack Administrator (COA)
- Certified System Administrator in Red Hat OpenStack
- Cisco CCNA-Cloud
- Cloud Certified Professional
- Cloud Credential Council
- Cloud Genius
- Cloud Institute Certifications
- CloudU
- CompTIA Cloud Essentials
- Exin Cloud Computing Foundation
- Google Certified Professional Cloud Architect
- IBM Certified Cloud Solution Architect v2
- Microsoft Cloud Certifications
- Red Hat Certified Architect: Cloud
- Salesforce Certifications
- VMware Certified Professional

Supporting Links

- https://aws.amazon.com/certification/certified-cloud-practitioner/
- https://aws.amazon.com/certification/certified-solutions-architect-associate/
- https://aws.amazon.com/certification/certified-sysops-admin-associate/
- https://aws.amazon.com/certification/certified-developer-associate/
- **https://www.globalknowledge.com/us-en/resources/resource-library/articles/top-paying-certifications/#1**
- https://www.cisco.com/c/en/us/training-events/training-certifications/certifications/associate/ccna-cloud.html
- https://www.cloudcredential.org/certifications/cloud/cta/
- https://www.cloudcredential.org/certifications/cloud/cta-plus/
- https://www.cloudcredential.org/certifications/cloud/pca/
- https://cloud.google.com/certification/cloud-engineer
- https://www.comptia.org/certifications/cloud-essentials

- https://www.exin.com/certifications/exin-cloud-computing-foundation-exam
- https://www.ibm.com/certify/cert?id=C0001400
- https://docs.microsoft.com/en-us/learn/certifications/exams/az-103?wt.mc_id=learningredirect_certs-web-wwl
- https://docs.microsoft.com/en-us/learn/certifications/exams/az-203?wt.mc_id=learningredirect_certs-web-wwl
- https://docs.microsoft.com/en-us/learn/certifications/roles/administrator
- https://www.redhat.com/en/services/training/ex220-red-hat-certified-specialist-in-hybrid-cloud-management-exam
- https://www.redhat.com/en/services/training/ex210-red-hat-certified-system-administrator-red-hat-openstack-exam

Big data analytic

Job Opportunities

- Data Scientist
- Data Engineer
- Data Analyst
- Security Engineer
- Database Manager
- Data Architect
- Technical Recruiter

Supporting Links

- https://www.cloudera.com/about/training/certification/ccp-data-engineer.html
- https://intellipaat.com/big-data-hadoop-training/
- https://www.microsoft.com/en-us/learning/mcsa-sql2016-database-administration-certification.aspx
- https://www.microsoft.com/en-us/learning/mcse-data-management-analytics.aspx
- https://learn.hortonworks.com/
- https://university.mongodb.com/certification/developer/about
- https://www.globalknowledge.com/us-en/training/certification-prep/brands/emc/section/data-science/data-science-associate-emcdsa/
- https://www.dasca.org/data-science-certifications/associate-big-data-engineer
- https://education.oracle.com/oracle-business-intelligence-foundation-suite-11g-certified-implementation-specialist/trackp_166
- https://scpd.stanford.edu/public/category/courseCategoryCertificateProfile.do?method=load&certificateId=1209602

Cyber security

Job Opportunities

- Chief Information Security Officer
- Security Director (Computing, Networking, IT)
- Security Architect
- Security Engineer
- IT Security Consultant
- Cybersecurity Engineer
- Cybersecurity Analyst
- Network Engineer/Architect
- Cybersecurity Manager/Administrator
- Systems Engineer
- Software Developer/Engineer
- Systems Administrator
- Vulnerability Analyst/Penetration Tester
- Cybersecurity Consultant

Supporting Links

- ***Cloud Fundamentals***
- ***Cloud Security Fundamentals***
- ***Linux Fundamental***
- ***Kali Linux Advanced***
- https://www.comptia.org/certifications/cybersecurity-analyst
- https://www.comptia.org/certifications/comptia-advanced-security-practitioner
- https://www.comptia.org/certifications/pentest
- https://www.isc2.org/Certifications/CISSP
- https://www.eccouncil.org/programs/certified-ethical-hacker-ceh/
- https://www.isaca.org/Certification/CISM-Certified-Information-Security-Manager/Pages/default.aspx
- https://www.giac.org/certifications/get-certified/roadmap
- https://www.offensive-security.com/courses-and-certifications/

Internet of things

Supporting Links

- https://academy.microsoft.com/en-us/professional-program/
- https://www.cloudcredential.org/certifications/internet-of-things/iotf/
- https://www.iot-inc.com/#Training
- https://www.arcitura.com/next-gen-it-academy/certifications/certified-iot-architect/
- https://www.iot-inc.com/
- https://www.imfacademy.com/areasofexpertise/information_technology/internet-of-things-iot-foundation-certification.php
- https://www.coursera.org/specializations/iot?ranMID=40328&ranEAID=Hzi9Oyg5nAA&ranSiteID=Hzi9Oyg5nAA-hZGWFrE1dP_LPgY1T0Lvmg&siteID=Hzi9Oyg5nAA-hZGWFrE1dP_LPgY1T0Lvmg&utm_content=2&utm_medium=partners&utm_source=linkshare&utm_campaign=Hzi9Oyg5nAA
- https://www.coursera.org/learn/raspberry-pi-platform?specialization=iot

Artificial Intelligence

Job Opportunities

- Database Administrator

Certifications Available

- Oracle: Oracle DB Certified Associate, Oracle DB Certified Professional
- Microsoft SQL Server: MCSE (Data platform and Business Intelligence) and the older MCDBA
- IBM: IBM Analytics Certification
- Oracle: MySQL Database Developer, MySQL Database Administrator
- MongoDB: Certified DBA, Certified Developer
- Cassandra: Certified Cassandra Administrator, Certified Cassandra Architect, Certified Cassandra Developer

Supporting Links

- https://www.pluralsight.com/resource-center/guides/guide-to-becoming-a-database-admin
- https://www.microsoft.com/en-us/learning/mcdba-certification.aspx
- https://www.itcareerfinder.com/find-training/by-career-path/database-administration-training-online-degrees.html
- https://education.oracle.com/oracle-certification-path/product_829
- https://intellipaat.com/oracle-dba-training/

Network administrator

Job Opportunities

- Network Administrator
- Network Manager
- Cisco Network Administrator
- Network Designer
- Network Engineer
- Cisco Network Engineer
- Network Security Administrator
- Network Maintenance Specialist
- Network Architect
- Cisco Network Architect
- Cisco CCIE Network Engineer

Supporting Links

- https://www.vmware.com/education-services/certification.html
- https://www.microsoft.com/en-us/learning/mcse-certification.aspx
- https://www.microsoft.com/en-us/learning/mcsa-certification.aspx
- https://www.cisco.com/c/en/us/training-events/training-certifications/certifications/professional/ccnp-routing-switching.html
- https://www.cisco.com/c/en/us/training-events/training-certifications/certifications/associate/ccna.html
- https://www.comptia.org/certifications/security
- https://www.comptia.org/certifications/network
- https://www.comptia.org/certifications/a

Video game developer

Courses and Certifications

1. C# Programming – Unity Game Development Certification (Coursera)

https://www.coursera.org/specializations/programming-unity-game-development?ranMID=40328&ranEAID=vedj0cWlu2Y&ranSiteID=vedj0cWlu2Y-XrkDM_8cofXrivllExWZ_w&siteID=vedj0cWlu2Y-XrkDM_8cofXrivllExWZ_w&utm_content=10&utm_medium=partners&utm_source=linkshare&utm_campaign=vedj0cWlu2Y

2. Unreal Engine C++ Developer Course (Udemy)
https://www.udemy.com/course/unrealcourse/?LSNPUBID=vedj0cWlu2Y&ranEAID=vedj0cWlu2Y&ranMID=39197&ranSiteID=vedj0cWlu2Y-XhOTrIYNc8gJe4nwEoZZxw

3. Complete C# Unity Developer 2D Course (Udemy)
https://www.udemy.com/course/unitycourse/?LSNPUBID=vedj0cWlu2Y&ranEAID=vedj0cWlu2Y&ranMID=39197&ranSiteID=vedj0cWlu2Y-z0j6CbHapPr8AlpUN611_w

4. Computer Science for Game Development by Harvard University (edX)
https://www.edx.org/professional-certificate/harvardx-computer-science-for-game-development?source=aw&awc=6798_1575978111_c9751a063532c3cc7e9bb4cd827f6e3e&utm_source=aw&utm_medium=affiliate_partner&utm_content=text-link&utm_term=427859_Digital+Defynd

5. Game Design and Development by Michigan State University (Coursera)
https://www.coursera.org/specializations/game-development?ranMID=40328&ranEAID=vedj0cWlu2Y&ranSiteID=vedj0cWlu2Y-Mo_FFzpljwH70_F7Z0llRw&siteID=vedj0cWlu2Y-Mo_FFzpljwH70_F7Z0llRw&utm_content=10&utm_medium=partners&utm_source=linkshare&utm_campaign=vedj0cWlu2Y

6. Best Unity Courses & Training (Digital Defynd)

https://www.udemy.com/course/blendertutorial/?LSNPUBID=vedj0cWlu2Y&ranEAID=vedj0cWlu2Y&ranMID=39197&ranSiteID=vedj0cWlu2Y-.olaxeLHnIdGQrLwyd6Vuw

7. Unreal Engine Training Bootcamp (Digital Defynd)

https://www.udemy.com/course/unrealengine-cpp/?LSNPUBID=vedj0cWlu2Y&ranEAID=vedj0cWlu2Y&ranMID=39197&ranSiteID=vedj0cWlu2Y-5zflGHWsZzQlna7CPdTunA

8. Game Design Courses & Classes Online (Digital Defynd)

https://www.coursera.org/specializations/game-development?ranMID=40328&ranEAID=vedj0cWlu2Y&ranSiteID=vedj0cWlu2Y-HPHuvF6hzuhGmXuMKbgDuw&siteID=vedj0cWlu2Y-HPHuvF6hzuhGmXuMKbgDuw&utm_content=10&utm_medium=partners&utm_source=linkshare&utm_campaign=vedj0cWlu2Y

https://www.coursera.org/specializations/game-design?ranMID=40328&ranEAID=vedj0cWlu2Y&ranSiteID=vedj0cWlu2Y-ZX5LL.Zg30lqGL8Vjbs7eg&siteID=vedj0cWlu2Y-ZX5LL.Zg30lqGL8Vjbs7eg&utm_content=10&utm_medium=partners&utm_source=linkshare&utm_campaign=vedj0cWlu2Y

https://www.edx.org/xseries/video-game-design?source=aw&awc=6798_1575978367_f042f7c86672e509400eca93de7cd5a7&utm_source=aw&utm_medium=affiliate_partner&utm_content=text-link&utm_term=427859_Digital+Defynd

Web developer

Certifications Available

- MTA: HTML5 Application Development Fundamentals (98-375)
- Google Mobile Sites Certification
- ACE: Dreamweaver CC 2015 Certification
- MCSD: Web Applications Solutions Developer
  Programming in HTML5 with CSS and JavaScript
- W3 HTML5 Developer Certificate
  https://www.linkedin.com/learning/topics/web-development?src=aff-lilpar&veh=aff_src.aff-lilpar_c.partners_pkw.1238999_plc.Digital%20Defynd%20-%20LinkedIn%20Learning_pcrid.449670_learning&trk=aff_src.aff-lilpar_c.partners_pkw.1238999_plc.Digital%20Defynd%20-%20LinkedIn%20Learning_pcrid.449670_learning&clickid=TLjW0nS7bxyJRxWwUx0Mo3QwUknynlTEXUKKUU0&irgwc=1

Information Technology

Job Opportunities

- Information security analyst

Supporting Links

- [Certified in Risk and Information Systems Control (CRISC) Certification](#)
- [Amazon Web Solutions (AWS) Certifications](#)
- [SNIA Networking Certification Program](#)
- [Certified Wireless Networking Professional (CWNP)](#)