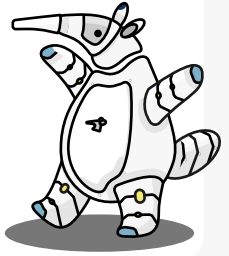# Amazon Web Services (AWS)

AWS is a leading cloud provider that offers a wide range of services, including computing power, storage solutions, and machine learning tools. With AWS, you can learn how modern systems build and manage virtual systems online. As many organizations, including UCI, are moving to cloud-based systems, learning AWS can provide valuable skills that are immediately applicable in the workplace.

Benefits:

Gain hands-on experience with the AWS platform, products, and services including but not limited to:

- Hosting websites
- Building applications
- Deploy cloud databases
- Training machine learning models

Learning AWS skills can enhance your career opportunities due to their high demand and versatility in today's job market.

- AWS serves a customer base of **1.45 million** businesses worldwide, covering **245 countries and territories.**
- **28% forecasted growth** in jobs that require cloud skills in the next 5 years.
- **74% credited AWS certification** as the reason for higher earnings.

What AWS Has to Offer

AWS Bedrock:
- An end-to-end Generative AI application development platform

AWS DynamoDB:
- Scalable and accessible cloud NoSQL database for your app's versatile needs

AWS API Gateway:
- Deploy accessible APIs for your app's needs on edge computing

AWS S3:
- A blob storage for holding images, files, videos, etc.

AWS Amplify:
- A comprehensive full-stack application development toolkit to deploy your apps within minutes

How to Get Certified

1. Create a free AWS account: **aws.amazon.com/free**
2. Prepare for your exam using free or paid courses on AWS Skill Builder or Udemy.
3. Schedule your certification exam: **aws.training/certification**

Learn to Use AWS

Utilize AWS Skill Builder site
- Skill Builder is AWS's official learning center where you can learn from AWS experts and build cloud skills online.
- Access a variety of free introductory courses, hands-on labs, and learning paths to get started. More advanced courses and specialized training will require a subscription.
- Receive expert guidance and support via the AWS Support Portal.

Utilize Udemy Academy
- Available at no cost to everyone with a UCInetID
- Udemy provides 2000+ courses on AWS ranging from introductory to advanced certifications.
- Learn from instructors with real-world experience at your own pace.

Additional Resources

Choosing the Right AWS Certification:
- Explore the different **AWS certification paths** available and understand the roles and responsibilities associated with each certification to choose the path that aligns with your career goals.
- The Hub recommends the following certifications: Cloud Practitioner, Developer Associate, and Solutions Architect Associate. Explore our **recommended Udemy courses**.

AWS Educate:
- **AWS Educate** provides free training, content, and collaboration tools to accelerate your cloud-related learning.

AWS Classroom Training:
- **AWS Classroom Training** offers live classes with AWS-accredited instructors who provide structured learning and direct support to help you master AWS services and prepare for certifications.
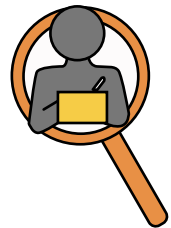
Learn, develop, and build with AWS today!

AWS Opportunities for Students

AWS is providing our students with a variety of opportunities including mentors, internships, and sponsorship opportunities.

If any of these are of interest,
please email **elp@uci.edu** for additional information.

UCI The Hub

The Hub at the ANTrepreneur Center

Come visit The Hub workspace at the ANTrepreneur Center on campus, where you can play, explore, and interact with various tools. The facilities are designed to facilitate learning, brainstorming, and interaction with others. At The Hub, you will find dedicated desks and collaboration tools such as electronic whiteboards, stand-up desks and even under-desk treadmills.

For Additional details regarding The Hub or Amazon Web Services contact:
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