

AWS Academy

Empowering higher education institutions to prepare students for industry-recognized certifications and careers in the cloud

Bridging the gap between industry and academia

As cloud technologies continue to help organizations transform at a rapid pace, employees with the necessary cloud skills are in high demand. According to LinkedIn data, cloud computing is the number one hard skill companies need most.

AWS Academy provides higher education institutions with a free, ready-to-teach cloud computing curriculum that prepares students to pursue industry-recognized certifications and in-demand cloud jobs. Our curriculum helps educators stay at the forefront of AWS Cloud innovation so that they can equip students with the skills they need to get hired in one of the fastest-growing industries.



AWS-authored curriculum

Designed by AWS experts, our ready-to-teach courses and learning resources help institutions and educators stay up to date with the latest cloud innovations.



AWS Certification alignment

Educators and students acquire AWS skills and can prepare for AWS Certification with complimentary practice exams and 50% discounts on full exams.



Employment readiness

By providing students with in-demand skills and hands-on experience working in the AWS Cloud, the AWS Academy curriculum helps prepare graduates to pursue careers in the cloud.

About the curriculum

AWS Academy offers courses and learning resources that enable students to develop a range of skills in the AWS Cloud.

AWS Academy Cloud Foundations

This introductory course provides a detailed overview of cloud concepts, AWS core services, security, architecture, pricing, and support. It contains 20 hours of course content and prepares students to pursue an AWS Certified Cloud Practitioner certification.

AWS Academy Cloud Architecting

This intermediate-level course covers the fundamentals of building IT infrastructure on AWS and helps students gain the skills they need to pursue the AWS Certified Solutions Architect – Associate certification. This course contains approximately 40 hours of content delivered through lectures, hands-on labs, and project work.

AWS Academy Cloud Developing

This intermediate-level course will help students gain technical expertise in development with cloud technologies. It will also help them prepare for the AWS Certified Developer - Associate certification exam. Upon completion, students will be able to develop with the AWS SDK and identify best practices for building and deploying applications in the AWS Cloud. This course contains approximately 40 hours of content delivered through lectures and hands-on labs.

AWS Academy Cloud Operations

This intermediate-level course will prepare students to pursue in-demand DevOps, support, and cloud operations roles at the entry level. It will also help them prepare for the AWS Certified SysOps Administrator – Associate exam. Through case studies, demonstrations, and hands-on activities, students will learn how to troubleshoot various scenarios and automate deployments of networks and systems on AWS. This course contains approximately 40 hours of content delivered through lectures and hands-on labs.

AWS Academy Machine Learning Foundations

This course introduces students to the concepts and terminology of artificial intelligence and machine learning. By the end of this course, students will be able to select and apply machine learning services to resolve business problems. They will also be able to label, build, train, and deploy a custom machine learning model. This course contains approximately 20 hours of content delivered through lectures, hands-on labs, and project work.

AWS Academy Data Analytics

These lab exercises teach students how to conduct Big Data analysis with practical, real-world examples. Students will learn how to analyze extremely large data sets, and to create visual representations of that data, using a case-study approach. The labs and learning resources are designed to supplement an institution's existing Big Data and data analytics courses. Geared toward students interested in pursuing careers in data analysis, *AWS Academy Data Analytics* requires a strong foundation in IT concepts and skills and contains seven-and-a-half hours of content.

Learn more at
aws.amazon.com/training/awsacademy