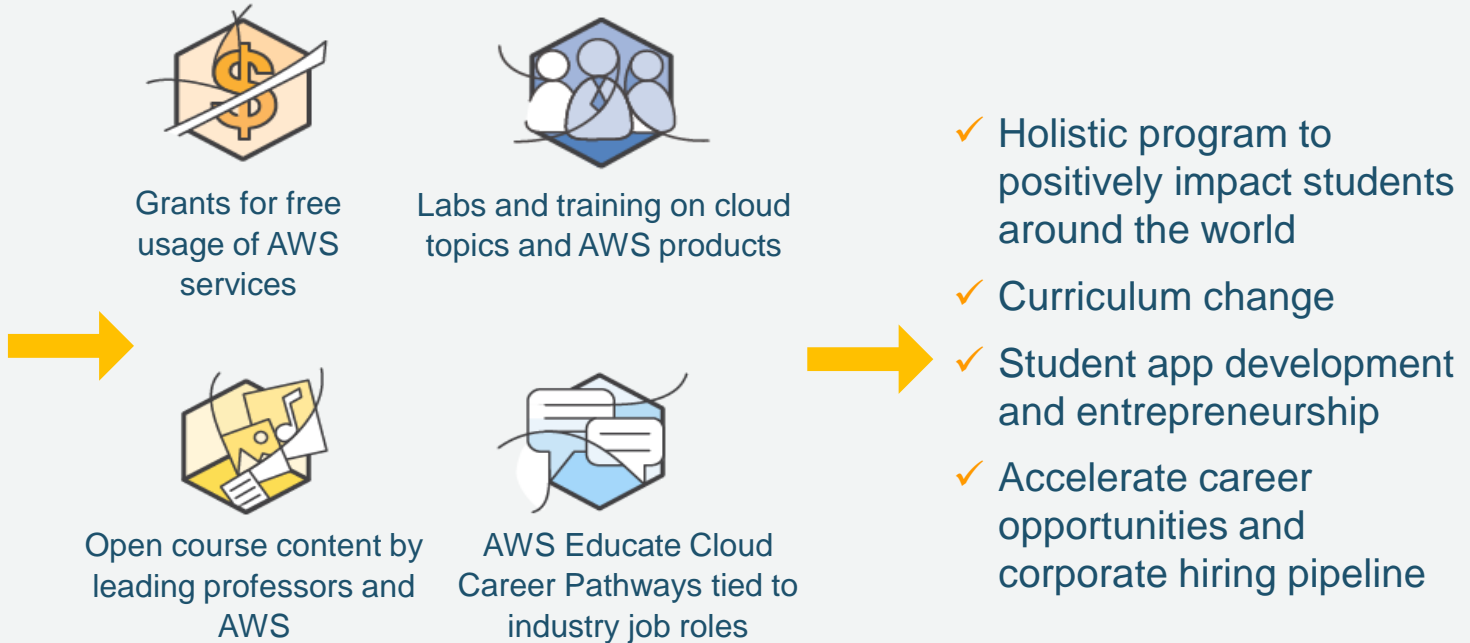




Teaching Tomorrow's Cloud Workforce Today

AWS Educate program benefits



+ JOBS*

*AWS Educate Job Board is for 18 years old and above

AWS Educate Program Benefits (Tertiary)

Educators

Students

AWS Credits (annually renewable)

- \$200 in AWS credits per educator – at member institutions
- \$75 in AWS credits per educator – at non-member institutions

- AWS Account: \$100 in credits at member institutions; \$40 in credits at non-member institutions
- AWS Educate Starter Account: \$75 in credits at member institutions; \$30 in credits at non-member institutions

AWS Training

- Free access to labs
- Free AWS Technical Essentials eLearning course
- 50% off instructor-led training provided by AWS in the United States, Brazil or Japan
- 50% off AWS certification exams

- Access to AWS Technical Essentials Training Course (a \$600 value)
- Free access to labs

Curated Content

- Free access to AWS content for classes
- Free access to content contributed by leading educators

- Ability to select personalized learning pathway with 30+ hours of content per path
- Earn digital badges that showcase cloud skills
- Free access to AWS content for homework, labs, or self-study

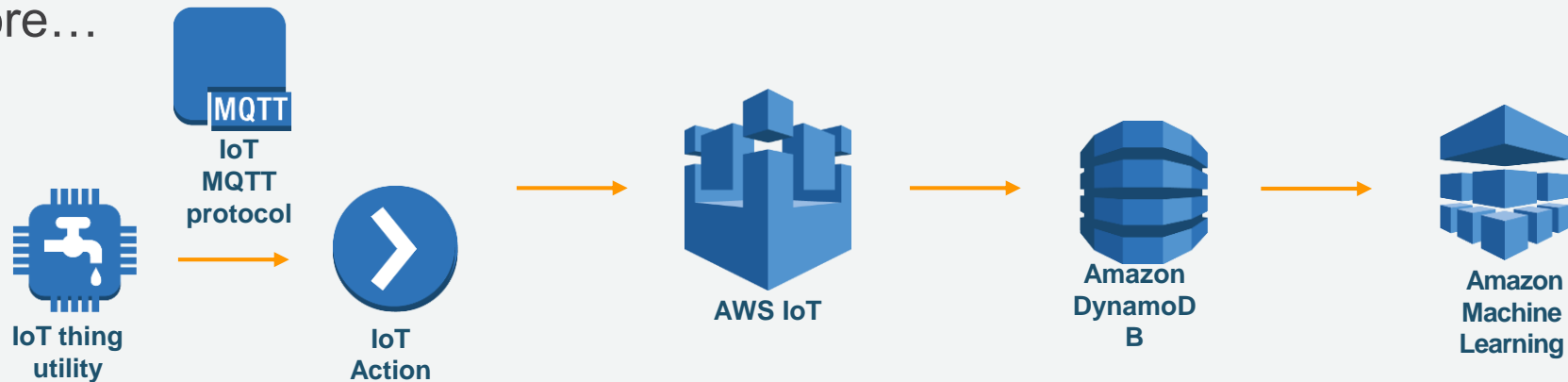
Collaboration Tools

- Educator Collaboration Portal access
- Virtual and in-person events
- Contribute and rate content
- Private and public discussion forums
- Provide feedback on AWS Educate

- Student Portal access
- Student portfolio to store projects in one place
- Access to Job Board and job postings

Example of utilizing the AWS credits grants

Amazon IoT Platform – Using Utility sensor data and Machine learning to predict spikes in usage and customer behavior and more...



AWS IoT - \$5 for 1 million messages

DynamoDB – 25GB free

Amazon Machine Learning - \$0.42 per hour

Example of utilizing the AWS credits grants

AWS Chatbot

Amazon Lex - \$0.004 per voice request

AWS Lambda – 3'200'000 free seconds per month

AWS Cloudwatch – Free


AWS Simple Notification Service (SNS) - \$0.50 per million notifications




For Tertiary Students...

YOUR JOURNEY to a CLOUD CAREER with AWS Educate



aws  educate


Portfolio Career Pathways Learn Badges Jobs AWS Account Logout

 **Grace Student** Consecutive Days: **1** Skills Completed: **3** Badges Earned: **0**

Career Path: **Hadoop Developer**
Your Progress: 64%
[CONTINUE LEARNING](#)

Career Path: **Distributed Systems Engineer**
Your Progress: 41%
[CONTINUE LEARNING](#)

Your Journey to a Cloud Career with AWS Educate




Suggested Jobs






2017 New Grad Software Development Engineer
Amazon
[more about this opportunity](#)

Associate Software Engineer, IT

Senior Data Engineer

Software Engineer in Test

[Want to see more?](#) 

 Portfolio  Career Pathways  Learn  Badges  Jobs

[FAQs](#) | [AWS Support Forum](#) | [Terms and Conditions](#) (c)2016, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Choose Your Career Path

28 careers – 30+ hours of content each – access to labs and AWS Technical Essentials

Cloud Career Pathways for Students

Analytics and Big Data



Support business and management by providing clear, insightful analyzes and visualizations of large datasets and/or abstract information; responsibilities primarily include working with datasets in a given system and performing various analysis tasks such as data mining (including data auditing...



[More...](#)

Cloud Architect



Cloud Architects possess a unique balance of technical depth and strong interpersonal skills to create technical definitions around customer objectives in complex situations to craft scalable, flexible and resilient architectures that address customer business problems and accelerate the adoption...



[More...](#)

Operations/Support Engineering



Bringing solid technical skills, operations and IT support professionals support business customers by monitoring and applying troubleshooting techniques to address customers' individual needs; responsibilities may include operating system administration, providing technical support/input...



[More...](#)

Software Development Engineer



Creative and technical subject matter experts that translate software requirements into workable programming code and maintain and develop programs for use in business; responsibilities primarily include writing specifications, designing, building, testing, implementing and maintaining applications...



[More...](#)

AWS Educate Career Pathways: List of 28 learning pathways

Application Developer

Associate Cloud Architect

Big Data Developer

Cloud Application Architect/Developer

Cloud Infrastructure Engineer

Cloud Service Delivery Manager

Cloud Support Associate

Cloud Support Engineer

Cloud Technical Account Manager

Cybersecurity Engineer

Data Architect

Data Scientist

Data Warehouse and Reporting

Technical Specialist

Database Administrator

DevOps Engineer

Distributed Systems Engineer

Hadoop Developer

Hadoop Engineer

Help Desk Technician

Mobile Applications Engineer

Network Operations Engineer

Network Technician

Quality Assurance Team Lead

Software Engineer

**Software Quality Assurance
Engineer**

**Software Support
Technician/Specialist**

Systems Engineer

Web Development Engineer

Cloud Career Pathways for Students

Data Architect

29 skills needed

Provide tactical and strategic direction in the areas of data mining, data visualization and assessment of data quality and consistency across platforms, products and geographical areas for an organization. A data architect is involved in data governance practices, data administration, data integration, and data modeling activities of a company.

Select this job role ☐

[VIEW LEARNING PLAN](#) ▶

Database Administrator

42 skills needed

Build and maintain complex computer database systems for a company. Working with a team, database administrators lead the database development activities. Using coding skills and ETL Architecture Standards, database architects create, maintain and troubleshoot databases.

Select this job role ☐

[VIEW LEARNING PLAN](#) ▶

Data Scientist

29 skills needed

Contribute to the development of an analysis strategy and perform analysis of complex scenarios and A/B tests; responsible for the coordination, collection, consolidation and analysis of data from various sources to establish data science strategy and methodologies to influence key decisions that will drive business strategy; analyze data to surface insights to inform various aspects of business such as development, licensing

Select this job role ☒

[VIEW LEARNING PLAN](#) ▶

AWS Cloud Computing

[show all skills](#)

Big Data Analytics

[hide all skills](#)

High-volume, high-velocity and/or high-variety information assets that demand cost-effective, intelligent processing of information processing that enable enhanced insight, decision making, and process automation

AWS Analytics

[show all skills](#)

AWS General

[show all skills](#)

Hadoop

[show all skills](#)

AWS Machine Learning

[show all skills](#)

Visualization

[show all skills](#)

Career

[show all skills](#)



Machine Learning

[show all skills](#)

Programming Language

[show all skills](#)

Cloud Career Pathways for Students: learning content


Dashboard

☰ Data Scientist_1472231285


Home

Modules

Quizzes

Assignments

Data Scientist



Overview

Welcome to the Data Scientist learning pathway! Hear directly from professionals in this field, complete labs and review references materials to learn more about the work and responsibilities of a Data Scientist in a cloud environment.

As you move through this learning pathway, you'll be introduced to cutting edge cloud services, knowledge and activities Data Scientists do every day.

You will complete knowledge checks, lab exercises and projects to practice and test what you know and to share your accomplishments in your digital portfolio.

You will have access to AWS services and many interesting resources to help you learn more about the work of a Data Scientist. Resources include:



Job Board

AWS Educate Job Board

View job postings on job board that match the skills acquired from career pathways

[Portfolio](#)[Career Pathways](#)[Learn](#)[Badges](#)[Jobs](#)[AWS Account](#)[Logout](#)

Puay San Ng

Consecutive Days: **1**

Pathways Completed: **0**

Badges Earned: **0**

Preferred Language:

English

Career Path:



DevOps Engineer

Your Progress: 0%

CONTINUE LEARNING

Career Path:



Data Scientist

Your Progress: 6%

CONTINUE LEARNING

Your Journey to a Cloud Career with AWS E...



Suggested Jobs

Amazon Future Engineer Summer Internship - Software Development Engineer

Amazon, Inc.

[more about this opportunity](#)

Linux Support Associate

Amazon, Inc.

[more about this opportunity](#)

AWS Educate Job Board: Examples of job postings

Suggested Jobs



2017 GRADS - Cloud Support Associate - Amazon Web Services Amazon | Dallas, TX

Applicable Cloud Career Pathway: Operations/Support Engineering | Cloud Support Associate

Opportunities for students and new graduate- positions available in Dallas, TX, Washington DC Metro area and Seattle, WA. At Amazon, our evolution has been driven by the spirit of innovation that is part of our DNA. As a new college graduate or intern, you can have multiple opportunities to innovate and solve real-world, complex technical and business problems as you join us on our journey. We strive to hire the brightest minds from the best universities globally, and have various career opp...

[VIEW JOB](#)

AWS Cloud Engineer | McLean, VA

Applicable Cloud Career Pathway: Cloud Architect | Associate Cloud Architect

we are seeking hard to find Cloud Engineers for our Amazon Web Services (AWS) Practice. We are growing our team of Cloud Engineer who are specialized in one of the following domains: Architecture, DevOps, Application Development, Security or Big Data Analytics. Our team of architects thrive on complexity, design solutions that maximize business/mission value, and are insatiable when it comes to learning. Come work in a fast-paced startup atmosphere with high performance teams I...

[VIEW JOB](#)

Business Technology Analyst | Open, Open

Applicable Cloud Career Pathway: Software Development Engineer | Software Engineer

As a Business Technology Analyst, you will partner with our clients' business and IT organizations to deliver business-led, technology-enabled solutions that help enterprises adapt to challenges and opportunities. From agile systems design to large-scale deployments, future consultants will advise clients, cut through complexity, and inspire value-driven decisions. Join us in leading from the front!

[VIEW JOB](#)

The AWS Educate job board serves as an added channel to recruiters to find potential hires with the relevant cloud skills



For Educators...

Resources for AWS Educate Educator-member

Resource	Description
Content from AWS & the community (eg. Educator guides, lesson plans, assignments, syllabus outline, videos)	Eg. Educator guides are assembled to help you teach AWS theory in individual or group-style projects Eg. As educator starts to use AWS services, AWS Documentation will help user understand how to use and architect the services
Professional development (Eg. AWS Technical Essentials Online, AWS Big Data Fundamentals, AWS Security Fundamentals)	Eg. AWS Technical Essentials introduces educator to AWS products, services, and common solutions. The two other online trainings drive foundational understanding of Big Data and Security on AWS
Request for credits	Enable educator to request for additional credits for his/her class

**There is more resources on the Educator Portal. The list of resources above is a high-level overview.*

New Educator's Portal

Search by keywords or specialty

The screenshot shows the AWS Educate portal interface. At the top, the 'awseducate' logo is on the left, and navigation links 'Get Content', 'My Content', 'Tools & Credits', 'Professional Development', and 'Profile' are on the right. 'Get Content', 'Tools & Credits', and 'Professional Development' are circled in red. Below the navigation bar, a user profile for 'Puay San Ng' is shown. The main content area features a welcome message 'Hi, welcome back to Educate.' followed by a video player titled 'U. Pennsylvania Students Access Cloud Resources with Help from AWS Educate'. Below the video are three buttons: 'MY CONTENT', 'MY PROFESSIONAL DEVELOPMENT', and 'REQUEST CREDITS'. To the right, there is a 'Featured Content' section with a list of tutorials and an 'Educate News' section with a link to 'An Educator's Guide to Getting Started on AWS'. A text box on the left points to the video player, and a text box on the right points to the 'REQUEST CREDITS' button.

awseducate

Puay San Ng

Hi, welcome back to Educate.

U. Pennsylvania Students Access Cloud Resources with Help from AWS Educate

University of Pennsylvania Students Access Cloud Resources with Help from AWS Educate

MY CONTENT

MY PROFESSIONAL DEVELOPMENT

REQUEST CREDITS

Featured Content

- 10-minute tutorial: Deploy Code to a Virtual Machine with AWS CodeDeploy
- 10-minute tutorial-Launch a Linux Virtual Machine (EC2)
- 10-minute tutorial: Create and Connect to a MySQL Database (RDS)
- Introducing AWS IoT

Educate News

An Educator's Guide to Getting Started on AWS

If you are looking for best practices for using the AWS Cloud, our complete AWS for Education video series includes seven videos on topics spanning AWS Organizations, adding contacts, Identity and Access Management, billing, auditing, and networking. Read more here

Big #AWSEducate release for higher ed & k-12 teachers. Many features: central AWS credit codes, LMS integration, grab content, etc. Enjoy!

Request for credits

Online training, explore discounted certifications, view students' career pathways

Feature box that can be highlights latest news in the Educate community to the educators


Change the World by incorporating cloud literacy and cloud skills in program for students



AWS Educate is central to Amazon's education and workforce development strategy, but it will only reach our most profound goals through a deep collaboration with educational institutions.



Join **AWS Educate**, and partner with us to change youth trajectory and positively impact the world.



Register at awseducate.com/Registration Institutions, Educators, and Students







Apply to join AWS Educate



Step 1/3: Choose your role

Student

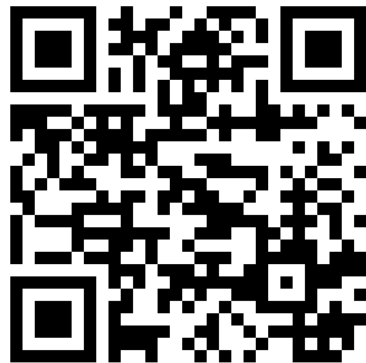
Educator

US Veteran

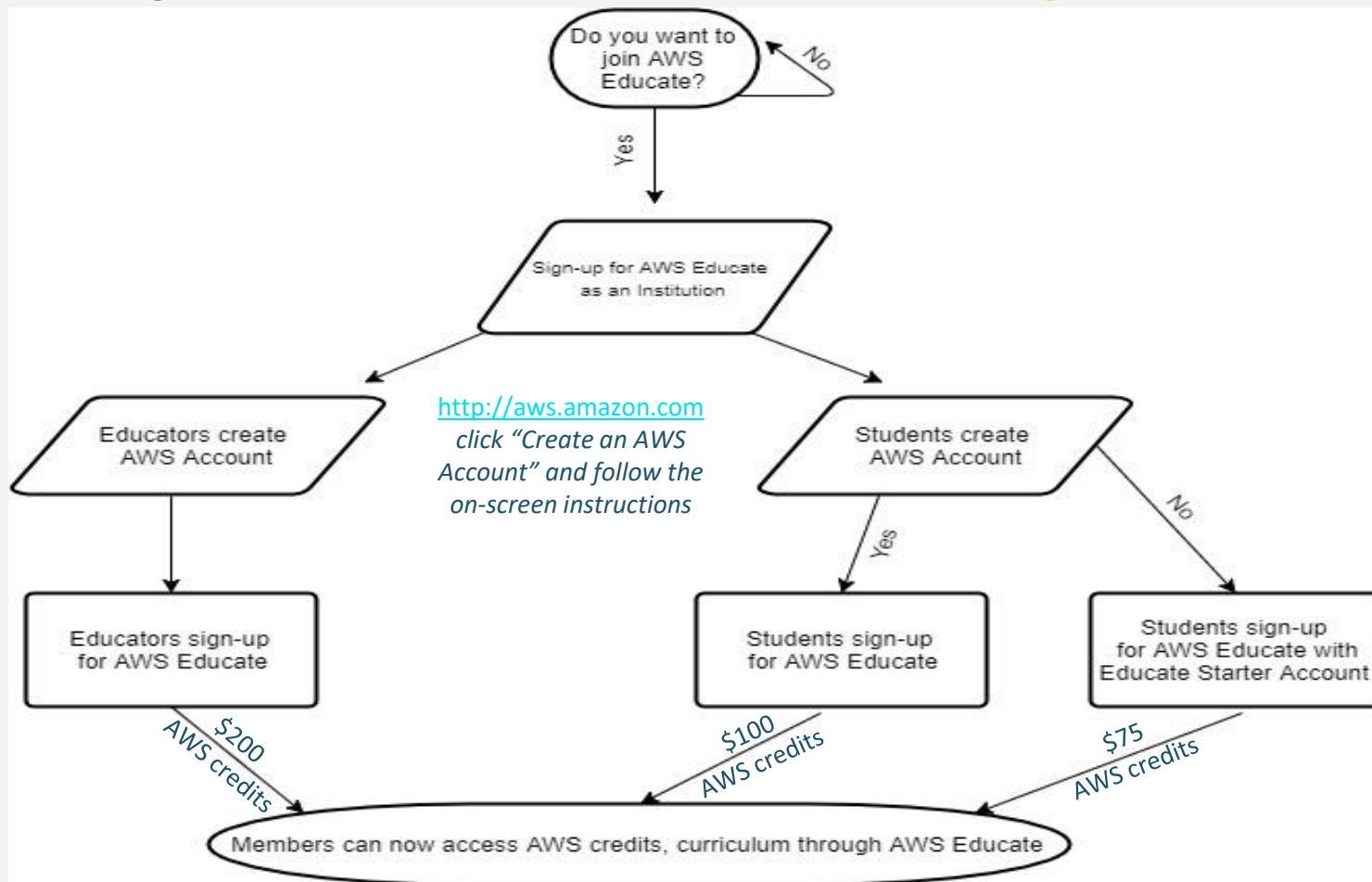
Institution

Company/Recruiter

AWS Educate is Amazon's program to help students learn real-world cloud technology skills before graduating. It provides students and educators with the resources needed to accelerate cloud-related learning.



Register at awseducate.com/Registration



*AWS Educate Starter Account

1. Is for students **only**
2. About 75% of AWS services are available. Pls see [here](#) for the list of services that can be accessed
3. One other key consideration is that the starter account will close upon consuming the full allocated free credits. For example, if it is \$75 credits, then upon fully utilizing it, the account will shut down and whatever work the students had done there, they will not be able to retrieve it
4. Is not portable to a full account, should the student decide to start one later on
5. Is run and managed by qwikLABS and students who sign up will receive login details upon successful registration

Programs at AWS

Teaching and Learning

- AWS Educate: self-paced learning and access to AWS technology that leads to specific job roles and a job board
- AWS Academy: prescriptive AWS curriculum delivered by institution that has a pathway to industry-level certification

Research on AWS

- AWS Public Data Sets: a catalogue of globally important research sets hosted on AWS that can be leveraged by researchers
- AWS Cloud Credits for Research: Grant based program to support researchers building cloud-based POCs or research tools and benchmarks.

Entrepreneurship

- AWS Activate: aimed at supporting new companies building their products on AWS through credits and technical assistance
- AWS Lumberyard: Free 3-D Game engine that can be leveraged by game developers and digital media students to develop their ideas.

Thank You