

# AWS Academy

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THE UNIVERSITY  
OF QUEENSLAND  
AUSTRALIA

# 1 Introduction

In this course we use AWS Academy as a resource to learn how to deploy and manage infrastructure on Amazon Web Services (AWS), as an example of a cloud based Infrastructure as a Service (IaaS) and Platform as a Service (PaaS) environment. You have been enrolled in three AWS Academy courses, as well as the AWS Learner Lab. We expect you to work your way through at least two of the AWS Academy courses as self-study material. The [CSSE6400 course schedule](https://csse6400.uqcloud.net/schedule/)<sup>1</sup> provides a guide as to when we expect you to complete particular modules in the [AWS Academy Cloud Foundations](https://awsacademy.instructure.com/courses/110989)<sup>2</sup>, and [AWS Academy Cloud Architecting](https://awsacademy.instructure.com/courses/110993)<sup>3</sup> courses.

The [AWS Academy Cloud Developing](https://awsacademy.instructure.com/courses/110994)<sup>4</sup> course is provided as a supplementary resource. It covers much of the same content as [AWS Academy Cloud Architecting](https://awsacademy.instructure.com/courses/110993)<sup>5</sup>, but [AWS Academy Cloud Architecting](https://awsacademy.instructure.com/courses/110994)<sup>6</sup> does so in a more structured and progressive manner. [AWS Academy Cloud Developing](https://awsacademy.instructure.com/courses/110994)<sup>7</sup> treats each topic a little more independently. The advantage of this is that it also covers a couple of other topics, such as REST APIs and Containers, that you may find useful.

[AWS Academy Learner Lab](https://awsacademy.instructure.com/courses/110995)<sup>8</sup> will be used in practical sessions from week 4 onwards. You will also use it to implement your solution to the Cloud Infrastructure assignment. You have a budget of \$50 USD for use in the Learner Lab. You will be given a second Learner Lab to use for the assignment, so that you start with a fresh budget for the assignment.

You need to accept your enrolment into:

- AWS Academy Cloud Foundations [[110989](https://awsacademy.instructure.com/courses/110989)] course;
- AWS Academy Cloud Architecting [[110993](https://awsacademy.instructure.com/courses/110993)] course;
- AWS Academy Cloud Developing [[110994](https://awsacademy.instructure.com/courses/110994)] course; and
- AWS Academy Learner Lab [[110995](https://awsacademy.instructure.com/courses/110995)] course.

And then login to the AWS Academy and navigate to your courses.

# 2 AWS Academy

AWS Academy is an educational platform to teach you how to use AWS services. The content has been created by key developers in the AWS team.

<sup>1</sup><https://csse6400.uqcloud.net/schedule/>

<sup>2</sup><https://awsacademy.instructure.com/courses/110989>

<sup>3</sup><https://awsacademy.instructure.com/courses/110993>

<sup>4</sup><https://awsacademy.instructure.com/courses/110994>

<sup>5</sup><https://awsacademy.instructure.com/courses/110993>

<sup>6</sup><https://awsacademy.instructure.com/courses/110993>

<sup>7</sup><https://awsacademy.instructure.com/courses/110994>

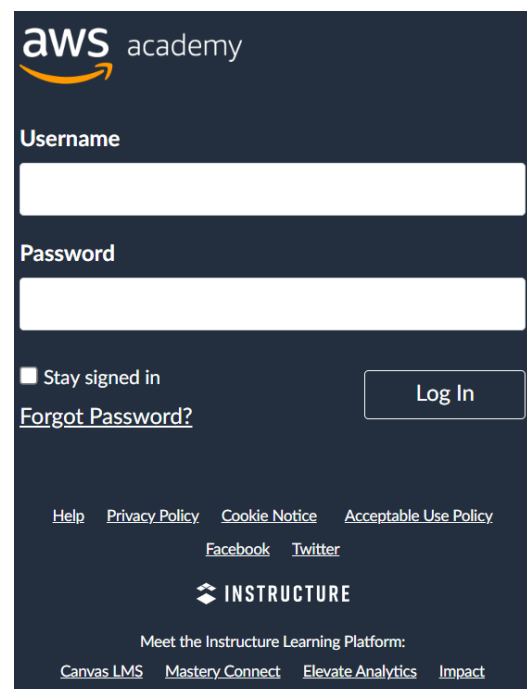
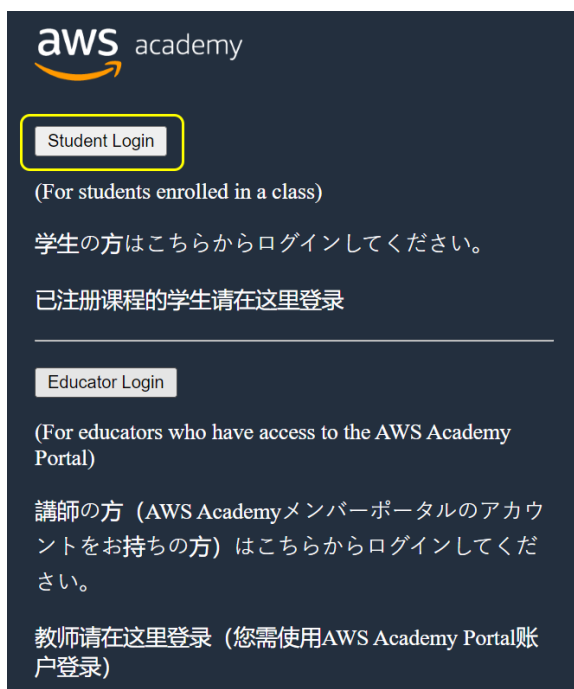
<sup>8</sup><https://awsacademy.instructure.com/courses/110995>

## 2.1 Enrol in AWS Academy

1. Set up your AWS Academy account by responding to your email invitation and clicking **Get Started**. The email invitation will come from AWS Academy. Check your junk/spam folders.



2. Go to [https://www.awsacademy.com/vforcesite/LMS\\_Login](https://www.awsacademy.com/vforcesite/LMS_Login) to login.
  - (a) Press **Student Login**.
  - (b) Use the email address that received the email invitation.



## 2.2 Exploring the Interface

Once you login, you should see your account dashboard. This lists the courses in which you are enrolled.

The screenshot shows the AWS Academy dashboard. On the left is a dark sidebar with navigation links: Account, Dashboard, Courses, Calendar, Inbox, History, and Help (with a notification badge). The main area has a top notification bar for 'Notifications' with a 'Notification Preferences' button. Below this is the 'Dashboard' title. The dashboard displays four course cards: 'AWS Academy Cloud Architecting...' (ACAv3EN-US-LTI13-110993), 'AWS Academy Cloud Developing [...]' (ACDv2EN-LTI13-110994), 'AWS Academy Cloud Foundations...' (ACFv2EN-LTI13-110989), and 'AWS Academy Learner Lab [1109...]' (ALLv2EN-US-LTI13-110995). Each card has a colored header and icons for announcements and discussions. On the right, there are sections for 'To do' (Nothing for now), 'Recent feedback' (Nothing for now), and a 'View Grades' button.

Click on a course to go to its home page.

The screenshot shows the home page for the 'AWS Academy Cloud Foundations [110989]' course. The left sidebar is the same as the dashboard. The main content area has a header with the course title and a navigation menu: Home, Announcements, Modules, Discussions, Grades, and Lucid (Whiteboard). Below the header is a large banner image featuring a classical building and the AWS Academy logo. The text below the banner describes the course as intended for students seeking an overall understanding of cloud computing concepts, independent of specific technical roles. It mentions that the course helps prepare for the 'AWS Certified Cloud Practitioner' exam and provides links to 'Certification Resources'. A 'Get Started' section follows, with three icons: a laptop for 'Modules', speech bubbles for 'Discussions', and a headset with a question mark for 'Course Support'. At the bottom, text instructs users to 'Select Modules to start the course', 'Use Discussions to connect with peers', and 'Visit Course Support for help'. On the right, there are buttons for 'View Course Stream', 'View Course Calendar', and 'View Course Notifications', followed by 'To Do' (Nothing for now) and 'Recent Feedback' (Nothing for now) sections.

Navigate to the **Modules** tab and you will see the list of modules and their learning content for the course. The content includes videos, readings, and self-assessment exercises. The self-assessment exercises are to help you to know that you understand the content. These are not used as part of your assessment in this course.

The screenshot displays the AWS Academy interface for course ACFv2EN-LTI13-110989. The left sidebar contains navigation links: Home, Account, Dashboard, Courses, Calendar, Inbox, History, and Help. The main content area shows the 'Modules' tab selected. A 'Collapse All' button is visible in the top right. The modules are organized into two sections: 'Introduction' and 'Module 1 - Cloud Concepts Overview'. The 'Introduction' section lists: Pre-Course Survey, Trends in Cloud Computing, Course Introduction Video, Student Guide, How to complete lab exercises, Course Support, and General Discussion. The 'Module 1 - Cloud Concepts Overview' section lists: Introduction Video and Section 1 Video - Introduction to cloud computing.

Module	Content
Introduction	Pre-Course Survey
	Trends in Cloud Computing
	Course Introduction Video
	Student Guide
	How to complete lab exercises
	Course Support
	General Discussion
Module 1 - Cloud Concepts Overview	Introduction Video
	Section 1 Video - Introduction to cloud computing

Explore the AWS Academy interface and courses. Start working through the [AWS Academy Cloud Foundations<sup>9</sup>](https://awsacademy.instructure.com/courses/110989) course. You should aim to complete *at least* half of it this week. Completing all of it this week will let you start the [AWS Academy Cloud Architecting<sup>10</sup>](https://awsacademy.instructure.com/courses/110993) course next week, which will give you more breathing space to work through that content.

<sup>9</sup><https://awsacademy.instructure.com/courses/110989>

<sup>10</sup><https://awsacademy.instructure.com/courses/110993>