

# AWS Academy

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THE UNIVERSITY  
OF QUEENSLAND  
A U S T R A L I A

## 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<sup>1</sup>](#) provides a guide as to when we expect you to complete particular modules in the [AWS Academy Cloud Foundations<sup>2</sup>](#), and [AWS Academy Cloud Architecting<sup>3</sup>](#) courses.

The [AWS Academy Cloud Developing<sup>4</sup>](#) course is provided as a supplementary resource. It covers much of the same content as [AWS Academy Cloud Architecting](#), but [AWS Academy Cloud Architecting](#) does so in a more structured and progressive manner. [AWS Academy Cloud Developing](#) 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<sup>5</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<sup>6</sup>](#) to use for the assignment, so that you start with a fresh budget for the assignment. The [second lab](#), to be used for your assignment, will be available from March 3.

You need to accept your enrolment into:

- AWS Academy Cloud Foundations [[110989](#)] course;
- AWS Academy Cloud Architecting [[110993](#)] course;
- AWS Academy Cloud Developing [[110994](#)] course;
- AWS Academy **Practicals** Learner Lab [[110995](#)] course; and
- AWS Academy **Assignment** Learner Lab [[112082](#)] 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/110995>

<sup>6</sup><https://awsacademy.instructure.com/courses/112082>

## 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.

Course Invitation ➤ Inbox × ▽ □

AWS Academy <notifications@instructure.com> 13:33 (14 minutes ago)

You've been invited to participate in a class at AWS Academy . The class is called AWS Academy Learner Lab [73527]. Course role: Student

Name:

Email:

Username: **none**

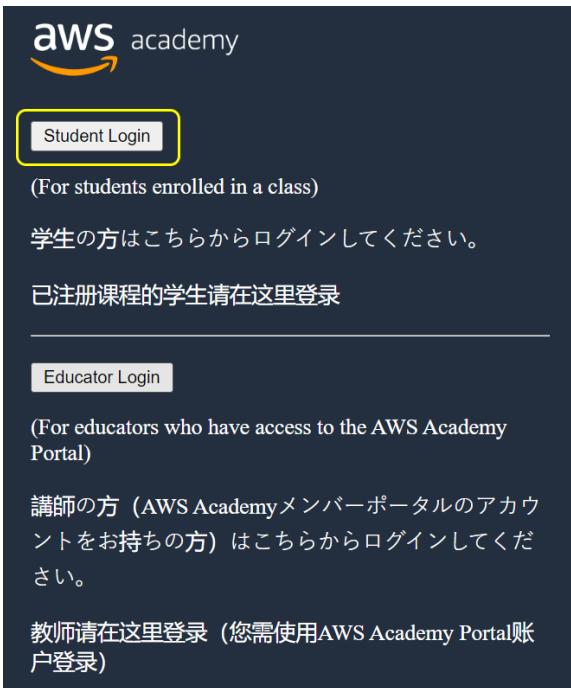
You'll need to register with Canvas before you can participate in the class.

**Get Started**

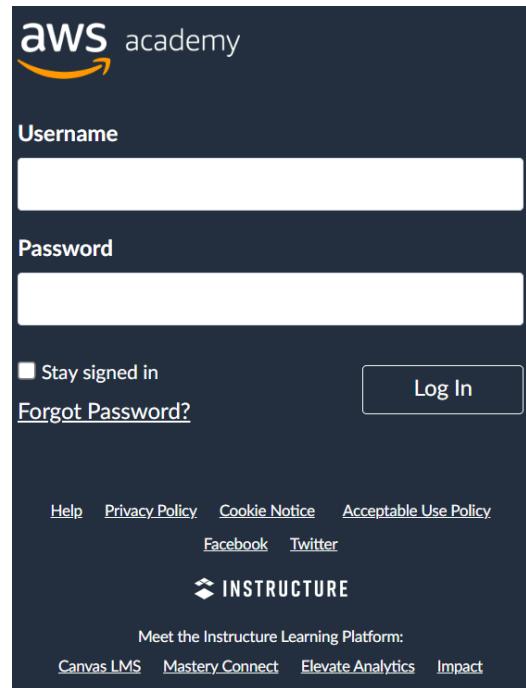
 CANVAS

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.



The screenshot shows the AWS Academy Student Login page. It features the AWS Academy logo at the top left. Below it is a large button labeled "Student Login" with a yellow border. To its right, the text "(For students enrolled in a class)" is displayed in parentheses. Below this, there is Japanese text: "学生の方はこちらからログインしてください。" Underneath, there is Chinese text: "已注册课程的学生请在这里登录". At the bottom of this section, there is another button labeled "Educator Login" with a grey border. To its right, the text "(For educators who have access to the AWS Academy Portal)" is displayed in parentheses. Below this, there is Japanese text: "講師の方 (AWS Academyメンバー ポータルのアカウントをお持ちの方) はこちらからログインしてください。" Underneath, there is Chinese text: "教师请在这里登录 (您需使用AWS Academy Portal账户登录)".



The screenshot shows the AWS Academy Login page. It features the AWS Academy logo at the top left. Below it is a "Username" input field followed by a "Password" input field. To the right of the password field is a checkbox labeled "Stay signed in" and a link "Forgot Password?". At the bottom right is a "Log In" button. At the very bottom of the page, there is a footer with links: "Help", "Privacy Policy", "Cookie Notice", "Acceptable Use Policy", "Facebook", "Twitter", and the Instructure logo. Below the footer, there is a note: "Meet the Instructure Learning Platform: Canvas LMS, Mastery Connect, Elevate Analytics, Impact".

## 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. At the top, there's a notification bar with an info icon and the text "Notifications. Tell us how and when you would like to be notified of events in Canvas." Below it, a large orange button says "Notification Preferences". The main area is titled "Dashboard" and contains four course cards arranged in a 2x2 grid. Each card has a colored header (purple, blue, green, green) and a white body. The top-left card is purple and represents "AWS Academy Cloud Architecting... ACAv3EN-US-LTI13-110993". The top-right card is blue and represents "AWS Academy Cloud Developing [...] ACDv2EN-LTI13-110994". The bottom-left card is green and represents "AWS Academy Cloud Foundations... ACFv2EN-LTI13-110989". The bottom-right card is also green and represents "AWS Academy Learner Lab [1109... ALLv2EN-US-LTI13-110995]. Each card has three dots at the top right and two interaction icons (comment and share) at the bottom right. On the left side, there's a vertical sidebar with icons for Account, Dashboard, Courses, Calendar, Inbox, History, and Help (with a '3' notification). On the right side, 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 AWS Academy Cloud Foundations course home page. The top navigation bar includes the AWS Academy logo and the course code "ACFv2EN-LTI13-110989". The left sidebar has a "Courses" section selected, showing links for Home, Announcements, Modules, Discussions, Grades, and Lucid (Whiteboard). The main content area is titled "AWS Academy Cloud Foundations [110989]" and features a large image of a classical building with clouds above it, set against a dark background with circuit board patterns. Below the title, a paragraph describes the course as intended for students who seek an overall understanding of cloud computing concepts. It provides a detailed overview of cloud concepts, AWS core services, security, architecture, pricing, and support. A note states that the course helps prepare for the AWS Certified Cloud Practitioner exam. At the bottom, there's a "Get Started" button and three icons: a laptop, a speech bubble, and a question mark inside a head profile. A footer at the bottom of the page says: "Select [Modules](#) to start the course. Use [Discussions](#) to connect with peers. Visit [Course Support](#) for help."

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 shows the AWS Academy interface. On the left is a dark sidebar with icons for Account, Dashboard, Courses, Calendar, Inbox, History, and Help. The main area has a header "ACFv2EN-LTI13-110989 > Modules". A navigation bar on the left lists Home, Announcements, Modules (which is selected), Discussions, Grades, and Lucid (Whiteboard). A "Collapse All" button is in the top right. The main content area shows a list of modules under "Introduction": Pre-Course Survey, Trends in Cloud Computing, Course Introduction Video, Student Guide, How to complete lab exercises, Course Support, and General Discussion. Below this is another section titled "Module 1 - Cloud Concepts Overview" with items: Introduction Video and Section 1 Video - Introduction to cloud computing.

Explore the AWS Academy interface and courses. Start working through the [AWS Academy Cloud Foundations](#)<sup>7</sup> 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>8</sup> course next week, which will give you more breathing space to work through that content.

<sup>7</sup><https://awsacademy.instructure.com/courses/110989>

<sup>8</sup><https://awsacademy.instructure.com/courses/110993>