

# 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.

You need to accept your enrolment into:

- AWS Academy Cloud Foundations [[152629](#)] course;
- AWS Academy Cloud Architecting [[152631](#)] course;
- AWS Academy Cloud Developing [[152630](#)] course;
- AWS Academy Practicals Learner Lab [[152632](#)] course; and
- AWS Academy Assignment Learner Lab [[152633](#)] 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/152629>

<sup>3</sup><https://awsacademy.instructure.com/courses/152631>

<sup>4</sup><https://awsacademy.instructure.com/courses/152630>

<sup>5</sup><https://awsacademy.instructure.com/courses/152632>

<sup>6</sup><https://awsacademy.instructure.com/courses/152633>

## 2.1 Enrol in AWS Academy

- 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**

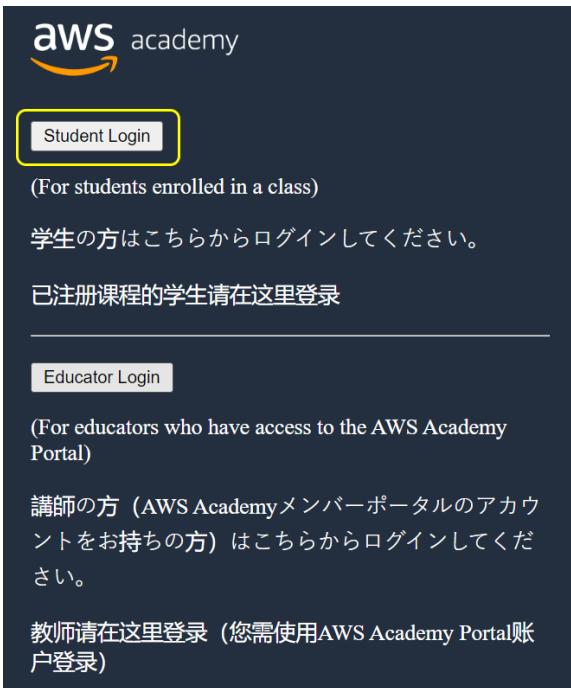
You'll need to register with Canvas before you can participate in the class.

**Get Started**

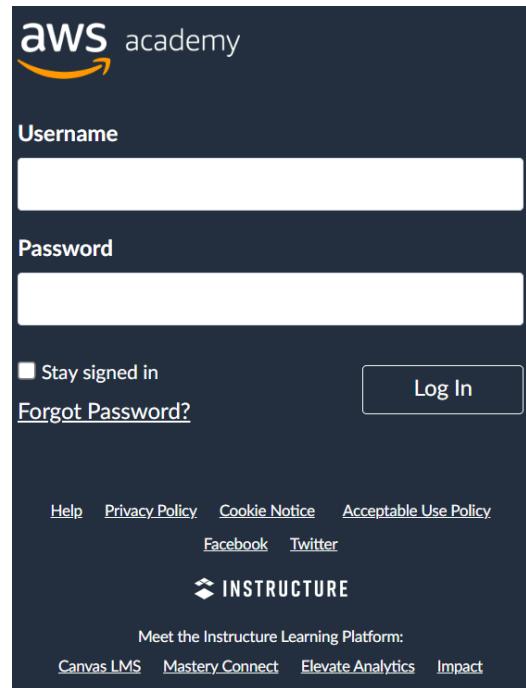
 CANVAS

- Go to [https://www.awsacademy.com/vforcesite/LMS\\_Login](https://www.awsacademy.com/vforcesite/LMS_Login) to login.

- Press **Student Login**.
- 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。" (Please log in from here). Further down, there is Chinese text: "已注册课程的学生请在这里登录" (Students who have registered for courses please log in here). At the bottom, there is another button labeled "Educator Login" with a yellow border, followed by text in parentheses: "(For educators who have access to the AWS Academy Portal)". Below this, there is Japanese text: "講師の方 (AWS Academyメンバーportal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。" (Educators (those who have an account on the AWS Academy Member portal) please log in from here). At the very bottom, there is Chinese text: "教师请在这里登录 (您需使用AWS Academy Portal账户登录)" (Teachers please log in here (you need to use your AWS Academy Portal account)).



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 and a "Password" input field. To the right of the password field is a checkbox labeled "Stay signed in". Below the password field is a link "Forgot Password?". At the bottom right is a "Log In" button. At the bottom of the page, there are links for "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. On the left is a sidebar with icons for Account, Dashboard, Courses, Calendar, Inbox, History, and Help (with 3 notifications). 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) with three dots at the top right, followed by the course name and ID, and two small interaction icons at the bottom right. The courses listed are:

- AWS Academy Cloud Architecting... (ACAv3EN-US-LTI13-110993)
- AWS Academy Cloud Developing [...] (ACDv2EN-LTI13-110994)
- AWS Academy Cloud Foundations... (ACFv2EN-LTI13-110989)
- AWS Academy Learner Lab [1109...] (ALLv2EN-US-LTI13-110995)

Click on a course to go to its home page.

The screenshot shows the AWS Academy Cloud Foundations course home page. The sidebar on the left is identical to the dashboard. The main content area has a breadcrumb trail "ACFv2EN-LTI13-110989". The course title is "AWS Academy Cloud Foundations [110989]". Below the title is a decorative graphic of a classical building on clouds. To the right are buttons for "View Course Stream", "View Course Calendar", and "View Course Notifications". A "To Do" section indicates "Nothing for now". The course description states: "AWS Academy Cloud Foundations is intended for students who seek an overall understanding of cloud computing concepts, independent of specific technical roles. It provides a detailed overview of cloud concepts, AWS core services, security, architecture, pricing, and support." It also mentions preparation for the AWS Certified Cloud Practitioner exam. At the bottom are three icons: a laptop, a speech bubble, and a question mark inside a head silhouette, with text below them: "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 "Collapse All" button is in the top right. The "Modules" section is selected in the sidebar. Below it, there are two expandable sections: "Introduction" and "Module 1 - Cloud Concepts Overview".

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>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/152629>

<sup>8</sup><https://awsacademy.instructure.com/courses/152631>