



AWS Cloud Practitioner
CNIT 155
Section: 931 CRN: 71463

Instructor Information

Name: Abigail Bornstein

Email: abigail.bornstein@mail.ccsf.edu

Office Number: Science Hall 34B, 50 Frida Kahlo Way, San Francisco

Website

<https://fog.ccsf.edu/~abornste/>

Office Hours

By appointment via ConferZoom

Course Information

Course Description/Overview

This course covers Amazon Web Services (AWS) cloud deployment and service models, cloud infrastructure, cloud pricing and the key considerations in migrating to cloud computing. This course also provides the required AWS technology essentials across all domains including server, storage, networking, security, applications, and databases to help develop a strong understanding of virtualization and cloud computing technologies.

Transferability

CSU

Requisites/Advisories

RECOMMENDED PREP: CNIT 103

Grading Options

Letter, Pass/No Pass

This is a 100% asynchronous online course. There are no required in-person or online meetings. There are however required weekly assignments with specific weekly due dates.

Prerequisites

CNIT 103, 106, or 201C is an advisory for CNIT 155. Foundational knowledge of computer networking is strongly advised for successful completion of this course. In addition, you will need the determination, discipline, and persistence to complete the work on a timely basis.

Student Learning Outcomes

1. Explain billing, pricing, and support options
2. Analyze the virtual data center and AWS' networking components
3. Manage business continuity in the cloud
4. Compare different models of cloud computing
5. Evaluate security issues in cloud infrastructure and migration

Class Meeting Information

Start and End Dates

August 31, 2026 - December 22, 2026

Important Dates:

Last day to add: September 21, 2026

Last day for refund: September 10, 2026

Last day to drop without W: September 21, 2026

Last day to drop with W: November 23, 2026

Last day to elect pass/no pass: 23-NOV-26

Communication Plan

Discussions:

Most questions can be answered within Canvas using the appropriate Discussions. Please always start with the appropriate Discussions. For private matters pertaining to a student's grades or other issues, you may opt for email.

Email:

Please use **Inbox** inside of Canvas. If you can not access Canvas, then use abigail.bornstein@mail.ccsf.edu. If you e-mail me at mail.ccsf.edu, be sure to put CNIT155 on the subject line of the message!

Online Expectations:

Although your instructor may log into the online class at other times, you can expect her to check in once per day Monday - Friday. Your instructor will not answer each and every forum posting, since students earn participation points for responding to classmates. Along with the instructor, students can look to his/her classmates who can ask and answer questions on the discussion forums.

Texts/Reading

Textbook:

Since your instructor is AWS Cloud Practitioner certified and approved as an AWS Academy Educator, students enrolled in CNIT 155 are going to be receiving free access to AWS Academy materials and online labs. In addition to AWS Academy online materials, you do have a required textbook to purchase or rent. It will run you between \$30 - \$55. *AWS Certified Cloud Practitioner, STUDY GUIDE, Foundation (CLF-C02) Exam, Second Edition 2024*, Ben Piper, David Clinton, Sybex, A Wiley Brand. ISBN: 978-1394235636.

The textbook is needed and will be used starting in week 1 of the course.

The above textbook is required. Students who wait 3 or 4 weeks to obtain a textbook or never obtain a textbook have a very difficult time succeeding in this course. You can find this textbook at the CCSF bookstore or order online through amazon.com or half.com or elsewhere.

Note: You absolutely need the **2nd edition (CLF-C02)**. Purchasing an earlier edition would be a big mistake, since the earlier edition was written in 2019, which is considered a very long time ago for cloud computing.

Course Technology

Computer Access:

This is an online class. As such you are expected to have access to either a PC or MAC computer with an Internet connection that meets the minimum requirements as listed by Canvas. Your computer and Internet access should be dependable. You will be required to perform several online labs using AWS services. A dependable, full-screen, comfortable work environment is necessary for successful completion of the course. For an online class it is the student's responsibility to have a backup plan in case the computer he/she normally uses to access this online class is not functioning properly or is not available. Do not wait until the last hour to complete the weekly assignments. Exam and assignment deadlines will not be extended due to individual computer or Internet connection problems. For your information, CCSF has several [PC and MAC computer labs](#) available to students throughout the week.

CCSF Student E-mail Account:

All CCSF students have been issued a CCSFmail account which ends in @mail.ccsf.edu. All important information from your instructor and the school will be sent to this student e-mail account. It is your responsibility to monitor this account throughout the semester. For more information on this account and how to forward messages to an alternative account, please refer to [CCSFmail FAQ](#)

Software:

1. Chrome - fully supported by Canvas, although other browsers can be used
2. SSH client (such as [PuTTY](#))

3. Image manipulation software such as IrfanView (freeware) or MS Paint

Attendance Policies

Class Attendance:

Class attendance is required. In an online class this means logging into the class as well as engaging academically in course activities such as quizzes, discussion forums, and assignments. You are required to log into the class at least once per week, although 3 or 4 times per week is recommended. Your instructor reserves the right to drop any student who does not log in AND engage academically in course activities for more than 16 days. Although your instructor reserves the right to drop any student for lack of attendance, students should not depend on your instructor to do so. It is the student's responsibility to complete the online form in myRAM Portal that is needed to drop or withdraw from this class. If you simply stop attending class, the student will probably receive a failing grade for the course.

Take time to learn how your financial aid works: If your instructor withdraws the student due to lack of attendance based on the above policy and it is after the standard drop with full refund period, then the **student most likely will be financially liable to pay for the entire cost of the course**. A student needs to be sure that he/she will be able to actively engage in the class on a regular basis from the start of the semester all the way through to the very last day. If the student can not make this semester long commitment, then the student should make sure he/she drops the course prior to the deadline to receive a full refund.

Please be aware of the the Important Dates listed above. Pay particular attention to the date stated for the last day to drop classes with a full refund.

Grading Policies and Evaluation Methods

Letter Grades:

A = 90% +

B = 80% - 89%

C = 70% - 79%

D = 60% - 69%

F = 59% or below

Distribution:

%	Category
31%	Homework Assignments, Labs, & Activities (130 points)
15%	Participation (60 points)
24%	Knowledge Checks (100 points)
15%	Quizzes (60 points)
15%	Final Exam (60 points)

Homework:

Homework assignments, labs, and activities make up 31% of your final grade and are due on Tuesdays by 10 p.m. Please see the Schedule for homework assignment due dates. Note: Week 1a and Week 6 - Quiz 2 exceptions with different due dates.

Your lowest AWS Academy lab or activity score will be dropped.

Late Homework: Homework may be accepted up to 1 week late but with a 20% penalty. I will allow only two late homework assignments from each student.

Participation:

Participation makes up 15% of your final grade. Participation points are based on posting to the appropriate chapter Discussions on a weekly basis. Discussions submitted after the due date do not earn points.

1. You will be asked to reflect on chapter Review Questions (RQ) each week. There are 12 chapters, and you are required to post 10 reflections to earn full participation points. Only reflections posted by the assigned weekly due date will earn points. Maximum points = 40.
2. You also will be asked to engage in Discussions (D) with your classmates on topics related to the 10 AWS Academy modules. Maximum points = 20.

Quizzes, Mid-Term, & Final Exam:

Please note: In preparation of certification, each knowledge check, quiz, and the final exam are to be completed without notes, without referencing the textbook, without searching for answers on the Internet or any other place.

As part of the AWS Academy, there are 10 learning modules for the AWS Cloud Foundations course. Please refer to the Schedule for Knowledge Check (KC) due dates. Each module has a Knowledge Check worth 10 points each for a total of 100 points. Knowledge Checks may be taken multiple times with your highest score counting. The Knowledge Check may be completed up to 1 week late, but with a 20% late penalty. After that time the Knowledge Check is no longer worth any points.

There will be 4 short multi-chapter/module quizzes which make up 15% of your grade. Please refer to the Schedule for quiz 1, 2, 3, and 4 dates and material covered. The quizzes will be multiple choice, true-false, and fill-in-the-blank. You get 1 attempt at each quiz. A quiz may be taken up to 1 week late but with a 20% late penalty. After that time the quiz is no longer worth any points.

CERTIFICATION: The goal of this course is to learn basic cloud computing concepts as well as become AWS Cloud Practitioner certified. Becoming AWS Cloud Practitioner certified is highly achievable by the end of the course. A student *must* complete the 10 AWS Academy modules and then either successfully obtain the AWS Cloud Practitioner certification with verifiable proof by the last day of the course and receive an automatic course grade of an A, or the student must take the final exam. The cost of the certification exam is \$100 and must be completed at a 3rd party testing center or at home arranged through an approved 3rd party monitor over the Internet. Your choice: verifiable obtainment of the AWS Cloud Practitioner certification by the last day of class OR take the course final exam. The final exam is worth 15% of your grade and is comprehensive. The final exam will be multiple choice, true-false, and fill-in-the-blank. The final exam must be taken during the scheduled week - **Wednesday, December 16 - SATURDAY, December 19 by 10 p.m. PST** - no exceptions. There is no make-up final exam. Please mark your calendar.

You are responsible for knowing these dates and completing your knowledge checks, quizzes, and final exam by the due date. **Do not wait until the last minute to take your online exams or complete your homework.** If you run

into technical or other difficulties at the last minute, you will still be responsible for completing your homework assignments, labs, activities, knowledge checks, quizzes, and final exam by the due date.

Accommodations for Students with Disabilities

Students who need disability-related accommodations should register with Disability Services & Programs for Students (DSPS). DSPS can be reached in person on the first floor of the Student Success Building, by phone at (415) 452-5481, or by email at dspsacom@ccsf.edu. Visit the [DSPS website](#) for office hours and information about services at the John Adams and Mission Centers.

If you have approved accommodations, please provide your current DSPS accommodation letter (CATAV) to your instructor as soon as possible. Accommodation letters must be renewed each semester. If you have disability- or medical-related needs, including emergency evacuation accommodations, please contact a DSPS counselor.

DSPS also offers accessible computer labs located in Batmale 231 and John Adams 104 and are open to all students.

Non-Discrimination and Anti-Harassment Policy

CCSF adheres to all applicable federal, state, and local laws and regulations that uphold the principle of equal opportunity and prohibit discrimination and harassment on the basis of race, color, ancestry, national origin, ethnic group identification, religion, age, sex, gender, gender identity, gender expression, marital status, domestic partner status, sexual orientation, disability or medical conditions, AIDS/HIV status, military or veteran status, pregnancy or pregnancy-related conditions, or on the basis of these perceived characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics.

These laws and regulations include but are not limited to the California Education Code, the California Code of Regulation Title 5, the Equal Employment Opportunity Act, the Americans with Disabilities Act, the Rehabilitation Act (1973) §504, and Title IX, which prohibits sex-based discrimination including sexual

harassment, sexual assault, domestic/dating violence, and stalking. For more information about students' rights to access the College's programs and activities, or if you believe you have been subjected to discrimination or harassment, please visit the Office of Civil Rights Compliance (OCRC) webpage to submit an online report or contact [CCSF's Title IX Coordinator, Alex Brouwer](#) at TitleIX@ccsf.edu. If you are a pregnant student, please contact the Title IX Coordinator to learn more about your rights including how to request reasonable accommodations.

Equity Statement

Education is for all who enter the doors of this college. Students of varying backgrounds, races, abilities, nationalities, genders, sexual orientations, beliefs, religions, and socio-economic status are welcome. Diversity in experience and perspective related to the topics covered in class are encouraged to be brought into discussions.

Standards of Conduct

Students who register in CCSF classes must abide by the [CCSF Student Code of Conduct](#). Violation of the code is the basis for referral to the Office of Student Conduct & Discipline and may result in dismissal from class or the College. See the [Office of Student Affairs](#).

Collaborating on or copying of tests or homework in whole or in part will be considered an act of academic dishonesty. See these resources on plagiarism:

[Encourage Academic Integrity and Prevent Plagiarism](#)

[Citing Information Sources](#)

Academic Tutoring

As a City College student, you can access many free services to help you succeed in your classes and navigate college. Please come to the STAR (student tutoring and resource) Center for free Peer and Professional tutoring and mentoring, individual or group study spaces, workshops that center your learning

needs, an open-access computer lab with printing, and a welcoming community. Our centers and labs are free and available online and in person. Please join us: we care about your success!

Visit the [Tutoring Centers](#).

Library

[City College of San Francisco's Library](#) offers many services to help you with your classes.

Take online library workshops, learn how to get started on a research project, borrow textbooks and other instructional materials, and much more.

[Borrow Technology from the Library](#) - Chromebooks, laptops, and hotspots can be borrowed from all CCSF Libraries.

Visit City College libraries in person at Rosenberg (at Ocean Campus), the Chinatown/North Beach Center, the Downtown Center, the Evans Center, the John Adams Center, and the Mission Center.

A librarian is on-site and available to help during [open hours](#).

Student Services

Ram Resources

[Ram Resources](#) is a searchable resource hub to help you navigate CCSF programs, services, and resources.

Financial Aid

Unlock Your Financial Aid Potential: FAFSA/CADAA Adventure Awaits! Learn more about [FAFSA](#) and [CADAA](#). We encourage you to apply to maximize all Financial Aid resources.

Visit the Financial Aid Office located in SSC Building 112.

Email: finaid@ccsf.edu or [Financial Aid Virtual Counter](#).

Counseling

[Counselors](#) are here to help you find your way through City College. Create an [Educational Plan](#) with a Counselor and make progress towards your academic goals.

Admissions and Records

The [Office of Admissions and Records/Registration](#) can help with applying to CCSF, registering for classes, accessing academic records, and completing your degree. Visit SSC 1124 for assistance.

THE INSTRUCTOR RESERVES THE RIGHT TO CHANGE ANY PORTION OF THIS SYLLABUS & CLASS SCHEDULE AT ANY TIME.

This syllabus and the class schedule is subject to change throughout the semester due to emergent student needs, important new learning opportunities, or other unforeseen situations. In the event a change must be made, the instructor will notify the students as soon as practically possible, and provide an updated syllabus and schedule within Canvas.

Last updated: 8/22/2026