



# CIS 394: Cloud Analytics

## Overview

Cloud Analytics is a specialized course designed for students aiming to deepen their understanding of cloud-based data analytics and its application in the modern data-driven business environment. Through a series of meticulously structured modules, this course offers a deep dive into the practices, tools, and methodologies required to harness the power of cloud computing in data analysis and machine learning.

## What You'll Learn

- Learn how to leverage data for strategic decision making within organizations
- Gain proficiency in the design and implementation of data pipelines using AWS services
- Understand the infrastructure required for data ingestion, storage, processing, and analysis
- Learn to select appropriate AWS tools for various analytics use cases
- Get hands-on experience in analyzing and visualizing data with services like AWS IoT Analytics, QuickSight, and Kinesis

## How to Succeed

To be successful in this course, we recommend English language fluency and computer literacy. We also encourage you to make sure your laptop or desktop computer meets the [technical requirements](#).

## Earn College Credit

This course appears on your transcript identically to how it appears on the transcript of an enrolled ASU student.

This course satisfies 3 credit hours at Arizona State University. It is strongly encouraged that you consult with your institution of choice to determine how these credits will be applied.

In order to receive academic credit for this course, you must earn a grade of "C" or better. You have one year to add the course to your transcript.

## Exams and Grading

**40%**

Labs

**25%**

Knowledge Checks

**35%**

Final Exam

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## Time Commitment

The work in this course is equivalent to an eight week course but you have one year to complete it. Please plan your goals accordingly. During this year, you are encouraged to work through the course at a pace that suits your needs.

You have one year from the date you enrolled to complete the course, and you have one year from the date you complete the course to purchase your academic credit.

## Materials

This course makes use of open educational resources (OERs) provided within the course, **no purchase necessary**.

## Graded Assignments

Graded assignments are required and count towards your final grade. Students must submit all assignments via the course site unless otherwise instructed.

## Course Communication

All communication will take place via the discussion forums and course announcement page. There will be a discussion forum where you can post general questions, comments, and direct inquiries for the instructor and course team. Please use these forums to ensure a timely response. Your instructor will not be able to respond to email.

## Course Resets

Self paced courses cannot be reset. If you are not happy with your grade and want to take the course again, you have two options: you may take the course the next time it is offered in an instructor led format or wait until a new version of the self paced course opens at the beginning of every academic year on the first day of class in August.

## Transcript

You will be able to add the course to your transcript **six weeks after enrolling**. Although the course is self paced, course attendance dates will be listed on your transcript. After purchasing the credits, the course will appear on your transcript in the session you **completed** the course. If you are on the cusp of two sessions and need to confirm the date of completion or beginning/end of a session, please contact our support team at [ulcourses@asu.edu](mailto:ulcourses@asu.edu).

## Additional Information

If you have questions about Universal Learner Courses and how they work, please visit [ea.asu.edu](http://ea.asu.edu) or contact our support team at [ulcourses@asu.edu](mailto:ulcourses@asu.edu).