

MIS 152: CLOUD AND AI APPLICATION INFRASTRUCTURE

In Workflow

1. CBA College Committee Chair (ramakrishna.dantu@csus.edu)
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Approval Path

1. 2026-09-25T22:51:45Z
Ramakrishna Dantu (ramakrishna.dantu): Approved for CBA College Committee Chair
2. 2026-09-25T23:14:49Z
Pingsheng Tong (ptong): Approved for CBA Dean

History

1. Dec 20, 2025 by Evren Eryilmaz (evren.eryilmaz)

New Course Proposal

Date Submitted: 2026-09-25T22:50:48Z

Viewing: MIS 152 : Cloud and AI Application Infrastructure

Last approved: 2025-12-20T15:02:19Z

Last edit: 2026-09-25T22:50:47Z

Changes proposed by: Evren Eryilmaz (219665473)

Contact(s):

Name (First Last)	Email	Phone 999-999-9999
Evren Eryilmaz	evren.eryilmaz@csus.edu	916-278-3889

Catalog Title:

Cloud and AI Application Infrastructure

Class Schedule Title:

Cloud and AI Infrastructure

Academic Group: (College)

CBA - Business

Academic Organization: (Department)

Information Systems and Business Analytics

Will this course be offered through the College of Continuing Education (CCE)?

No

Catalog Year Effective:

Spring 2027 (2026/2027 Catalog)

Subject Area: (prefix)

MIS - Management Information Systems

Catalog Number: (course number)

152

Course ID: (For administrative use only.)

204244

Units:

3

Is the ONLY purpose of this change to update the term typically offered or the enforcement of existing requisites at registration?

No

In what term(s) will this course typically be offered?

Fall, Spring

Does this course require a room for its final exam?

Yes, final exam requires a room

This course complies with the credit hour policy:

Yes

Justification for course proposal:

MIS 152 currently has no prerequisite. Without the MIS 15 background, students experience challenges with respect to application related class learning objectives. At the department meeting on 09/02, the MISBA department approved adding MIS 15 as a prerequisite to MIS 152.

Course Description: (Not to exceed 90 words and language should conform to catalog copy.)

Artificial intelligence (AI) is rapidly transforming data driven business decision making. Successful deployment of powerful AI models underscore scalable and robust infrastructures. This course explores cloud platforms such as Amazon Web Services, Azure, and Google Cloud. Students will learn the infrastructure requirements for powerful AI models in the cloud, the use of cloud platforms to build/train/deploy powerful AI models, and security/governance best practices for cloud-based AI models. Additionally, students will build/train/deploy cloud-based AI models to solve business problems.

Are one or more field trips required with this course?

No

Fee Course?

No

Is this course designated as Service Learning?

No

Is this course designated as Curricular Community Engaged Learning?

No

Does this course require safety training?

No

Does this course require personal protective equipment (PPE)?

No

Does this course have prerequisites?

Yes

Prerequisite:

MIS 15 or instructor consent

Prerequisites Enforced at Registration?

Yes

Does this course have corequisites?

No

Graded:

Letter

Approval required for enrollment?

No Approval Required

Course Component(s) and Classification(s):

Lecture

Lecture Classification

CS#02 - Lecture/Discussion (K-factor=1WTU per unit)

Lecture Units

3

Is this a paired course?

No

Is this course crosslisted?

No

Can this course be repeated for credit?

No

Can the course be taken for credit more than once during the same term?

No

Description of the Expected Learning Outcomes and Assessment Strategies:

List the Expected Learning Outcomes and their accompanying Assessment Strategies (e.g., portfolios, examinations, performances, pre-and post-tests, conferences with students, student papers). Click the plus sign to add a new row.

	Expected Learning Outcome	Assessment Strategies
1	Develop managerial understanding of infrastructure requirements for AI model workloads	In-class exercises, Assignments, Quizzes, Final Exam
2	Describe security best practices for cloud-based AI models	In-class exercises, Assignments, Quizzes, Final Exam
3	Describe governance best practices for cloud-based AI models	In-class exercises, Assignments, Quizzes, Final Exam
4	Apply cloud-based AI models to solve business problems	In-class exercises, Assignments, Quizzes, Final Exam
5	Synthesize and articulate ideas clearly and convincingly in oral and written forms	Assignments, Quizzes

Attach a list of the required/recommended course readings and activities:

MIS 152 Syllabus Draft.docx

Is this course required in a degree program (major, minor, graduate degree, certificate?)

Yes

Has a corresponding Program Change been submitted to Workflow?

No

Identify the program(s) in which this course is required:**Programs:**

BS in Business Administration (AI Management)

Does the proposed change or addition cause a significant increase in the use of College or University resources (lab room, computer)?

No

Will there be any departments affected by this proposed course?

No

I/we as the author(s) of this course proposal agree to provide a new or updated accessibility checklist to the Dean's office prior to the semester when this course is taught utilizing the changes proposed here.

I/we agree

University Learning Goals

Undergraduate Learning Goals:

Competence in the disciplines
Intellectual and practical skills

Is this course required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?

No

GE Course and GE Goal(s)

Is this a General Education (GE) course or is it being considered for GE?

No

Key: 15311