

MCM 214: BLOCKCHAIN TECHNOLOGY

In Workflow

1. CBA College Committee Chair (panggabean@csus.edu,joseph.taylor@csus.edu)
2. CBA Dean (ptong@csus.edu)
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Approval Path

1. 2026-06-02T19:09:18Z
Tota Panggabean (panggabean): Approved for CBA College Committee Chair
2. 2026-06-23T20:26:01Z
Pingsheng Tong (ptong): Approved for CBA Dean

New Course Proposal

Date Submitted: 2026-05-18T19:08:09Z

Viewing: MCM 214 : Blockchain Technology

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Changes proposed by: Zahra Aivazpour (223025621)

Contact(s):

Name (First Last)	Email	Phone 999-999-9999
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Catalog Title:

Blockchain Technology

Class Schedule Title:

Blockchain Technology

Academic Group: (College)

CBA

Academic Organization: (Department)

Information Systems and Business Analytics

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

Yes

Please specify:

CCE Only

Catalog Year Effective:

Fall 2027 (2027/2028 Catalog)

Subject Area: (prefix)

MCM - Master of Cybersecurity Management

Catalog Number: (course number)

214

Course ID: (For administrative use only.)

TBD

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, Summer

Does this course require a room for its final exam?

Yes, final exam requires a room

Does this course replace an existing experimental course?

No

This course complies with the credit hour policy:

Yes

Justification for course proposal:

This course is an essential part of the MS in Cybersecurity Management program that has already been proposed. Blockchain technology helps organizations accomplish their business objectives by offering crucial features such as verification and traceability of transactions. Through blockchain technology, organizations can reduce their compliance costs, enhance the security of their transactions, and accelerate their data transfer processing. Additionally, businesses can use the blockchain technology for contact management and auditing purposes.

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

This course examines the hands-on application of blockchain technology from a business perspective. The course starts with an overview of the fundamental principles of blockchain technology including blockchain foundations, market structure, business models, emerging trends, regulation, and state consensus, and deployment. Following the fundamentals of blockchain technology, the course will equip students with how to build decentralized applications to support business goals.

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:

Admission to the MS in Cybersecurity Management program

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):

Seminar

Seminar Classification

CS#05 - Seminar (K-factor=1 WTU per unit)

Seminar 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	Explain the fundamental concepts of Blockchain technology to support business objectives	Homeworks, cases, project, final exam
2	Discuss the limitations and challenges of Blockchain technology from a business standpoint	Homeworks, cases, project, final exam
3	Develop and deploy applications on popular blockchains to facilitate business objectives	Homeworks, cases, project, final exam

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

MCM 214 Syllabus.docx

For whom is this course being developed?

Majors in the Dept

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

No

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?

Yes

Indicate which department(s) will be affected by the proposed course:

Department(s)
Computer Science

Attach evidence of consultation with the affected department

EMAIL-CSConsult.pdf

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

Graduate (Masters) Learning Goals:

Disciplinary knowledge
Communication
Critical thinking/analysis
Information literacy
Professionalism
Intercultural/Global perspectives
Research (optional)

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

Is this a Graduate Writing Intensive (GWI) course?

No

Key: 15229