

MCM 205: CYBERSECURITY FOUNDATIONS

In Workflow

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

1. Fri, 23 May 2025 20:18:02 GMT
Katie Dickson (katiedickson): Rollback to Initiator
2. 2026-06-02T19:10:10Z
Tota Panggabean (panggabean): Approved for CBA College Committee Chair
3. 2026-06-23T20:25:29Z
Pingsheng Tong (ptong): Approved for CBA Dean

New Course Proposal

Date Submitted: 2026-05-18T19:06:21Z

Viewing: MCM 205 : Cybersecurity Foundations

Last edit: 2026-05-18T19:06:20Z

Changes proposed by: Zahra Aivazpour (223025621)

Contact(s):

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

Cybersecurity Foundations

Class Schedule Title:

Cybersecurity Foundations

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)

205

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:

The proposed course, Cybersecurity Foundations, is an essential component of MS in Cybersecurity Management program which has already been formally proposed. Cybersecurity Foundations are critical for building a solid understanding of key information security concepts, such as Identity and Access Management (IAM) and Cryptography. These concepts form the backbone of any cybersecurity program, equipping students with the essential knowledge and skills to protect information systems, manage access to data, and secure communications. A strong grasp of these foundational elements is necessary for students to effectively address real-world security challenges and advance in more specialized areas of cybersecurity.

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

This course provides a comprehensive introduction to information systems security aligned with Certified Information Systems Security Professional (CISSP) domains. Topics include security and risk management, asset security, security architecture and engineering, software development security, security assessment, and identity and access management (IAM).

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	Master, integrate, and apply foundational concepts in cybersecurity and information assurance.	Exams, quizzes, homework assignments
2	Evaluate various cybersecurity methods (e.g., different access control models) and apply them to secure IT systems.	Exams, quizzes, project, homework assignments
3	Design cybersecurity scenarios by using cybersecurity tools and techniques.	project, homework assignments
4	Integrate and apply knowledge and skills of cybersecurity to current and practical contexts and situations.	Exams, quizzes, project, homework assignments

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

MCM 205-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?)

Yes

Has a corresponding Program Change been submitted to Workflow?

Yes

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

MS in Cybersecurity 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?

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

Attach Accessibility Checklist: (Optional at submission. Fulfills requirement to file with Dean's office.)

Accessibility Checklist.docx

University Learning Goals

Graduate (Masters) Learning Goals:

Disciplinary knowledge
Communication
Critical thinking/analysis
Information literacy
Professionalism
Intercultural/Global perspectives

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

Reviewer Comments:

Katie Dickson (katiedickson) (Fri, 23 May 2025 20:18:02 GMT): Rollback: In preparation for the summer 2025 Curriculum Workflow software update, all course and program proposals have been moved out of Workflow. Submissions to Workflow will resume Monday, August 11, 2025. Please contact Academic Services at catalog@csus.edu with any questions.

Key: 15218