

CSEC - 703 - Cyber Physical Systems Security

2 Graduate Course Create 2020-21

I. Course Information

The faculty member originating this proposal is to complete sections I,II, III, and IV.

TURN ON help text before starting this proposal by clicking  in the top right corner of the heading.

You will need to turn on help text again after any actions that refresh the page including after saving proposals, importing information, or running impact reports.

FILL IN ONLY fields required marked with an *. You will not be able to launch the proposal without completing the required fields.

Department*

IDGP - Cybersecurity

Prefix:*

CSEC

Number:* 703

Is a new Prefix being suggested? Yes No

Suggested Prefix CSEC

Long Course Name:* Cyber Physical Systems Security

Short Course Name* Physical Systems Security

Tips

avoid the use of the words *student*, *course*, and *covers*
incomplete sentences are ok
avoid repeating the course title
(50 words max)

Catalog Description*

Explores the relation between cybersecurity and physical systems. Analysis of the security requirements and risks of technologies, such as: Industrial Control Systems, Autonomous Vehicles, Internet of Things (IoT), SMART TV, Supervisory control and data acquisition

venices, Internet of Things (IoT), SMART TV, Supervisory control and data acquisition (SCADA), Trusted Platform Module (TPM), and other embedded systems.

First Term Course Offered*

Spring 2021

Explanation for Course Create*

Required to offer new MS Cybersecurity program

Note: the multiple modes of study selected refer to potential different/independent versions of this course.

Are you adding a Service-Learning designation to this course?*

Yes No

If the Service-Learning designation is being added to this course:

A syllabus in Word or PDF format must accompany this form.

Graduate syllabi must meet the minimum criteria as required by the Provost's office (See Semester Memo under Executive Vice President and Provost Policies and Forms www.unlv.edu/policies). Graduate courses that are linked to undergraduate courses (300/500 and 400/600 level joint courses) must clearly state in the syllabus how the class experience and expectations are different for graduate students, what additional requirements students enrolled in the graduate level course must fulfill, and how the grading scale will be applied to graduate students.

Please attach a current syllabus by navigating to the Proposal Toolbox and clicking  in the top right corner.

Information about Service-Learning is available [here](#). Faculty can visit the [faculty Service-Learning page](#) as well as the [UNLV Guide for Service Learning](#) for additional information.

If adding Service-Learning designation, syllabus is attached

Attached

II. Catalog Information

Will this be an experimental (x) course?*

Yes No

Has this course number been used previously as an Experimental (X) course?

Yes No

If yes, X-Course Prefix

X-Course Code

Program(s) impacted by this new course* MS Cybersecurity

Substantive changes will necessitate a Program Change form be submitted.

Detail the changes to the program catalog entry required due to the creation of this course.* None

Fixed/Variable Credits* Fixed Variable

If fixed, enter number of credits. If variable, enter minimum and maximum credits (E.g., 1-3)

Number of Credits 3

Course is Repeatable* Yes No

If yes, the maximum number of credits that may be earned is

Grading System* Letter Grade
 S/U
 S/F
 Thesis/Dissertation

Is this a Special Topics course?* Yes No

Sub-topic(s)

Are topics repeatable? Yes No

If yes, number of credits

Prerequisites Completed CSEC 701
Admission into the MS Cybersecurity program or by consent of the Cybersecurity Director

Corequisites

Does this course have any non-credit components? Yes No

If yes, indicate component(s)

- Clinical
- Discussion
- Field Studies
- Independent Study
- Internship
- Laboratory
- Lecture
- Practicum
- Research
- Seminar
- Supervision
- Thesis Research

Will this course be listed as the 'same as' another course?*

- Yes No

If yes, list the course

Indicate the instructional modes that should be available for scheduling*

- In Person Supplemental Web
- Field Study
- Hybrid
- Independent Study
- In Person
- Television
- Web-based
- Web-based w/ on/off campus meeting

III. Evaluation of Library Resources

A. This section is completed by the faculty member originating this proposal—indicate library resources that will be needed to support this course

Will this course creation require changes to library resources?*

- Yes No

Please indicate library resources that will be needed to support students taking this course*


- Core journals
- Core books (not required texts)
- Electronic resources (e.g., databases, videos, media, etc.)


Critically needed journals for this subject area:

Core books needed:

Electronic Resources:

3. LAUNCH proposal by clicking  in the top left corner.

4. Finish the launch of your proposal by clicking the icon  located in the Proposal Toolbox on left side at top. Make your decision, comment is optional, and click on "Make decision".

You can check the status of the proposal by clicking  in Proposal Toolbox to verify that the proposal has gone to the next step.

B. This section is completed by the librarian.

Level of support the Library can provide

Library Comments

IV. Syllabus

A syllabus in Word or PDF format must accompany this form.

Graduate syllabi must meet the minimum criteria as required by the Provost's office (See Semester Memo under Executive Vice President and Provost Policies and Forms www.unlv.edu/policies). Graduate courses that are linked to undergraduate courses (300/500 and 400/600 level joint courses) must clearly state in the syllabus how the class experience and expectations are different for graduate students, what additional requirements students enrolled in the graduate level course must fulfill, and how the grading scale will be applied to graduate students.

Attachments List


Please attach any required files by navigating to the Proposal Toolbox and clicking  in the top right corner.

Attached syllabus* Attached

V. Department Vote Information

Note: This section is to be filled out by the Department Chair on behalf of the committee.

(The role has been assigned to the corresponding person on this step. If incorrect, please notify GradCurriculum@unlv.edu)

1. Review the proposal. Discuss and make appropriate revisions.
2. Fill in vote information.
3. Then go to the proposal toolbox at the top right side. Click on  and select the corresponding decision for the committee. This will enable the proposal to go to the next person on the workflow.

You can check the status of the proposal by clicking  in Proposal Toolbox to verify that the proposal has gone to the next step.

Date faculty voted on proposal April 8, 2020


Result of vote (Number of yes/no/abstention votes) 6/0/0

Manner of vote (online, in-person, etc.) Email

VI. Unit Vote Information

Note: This section is to be filled out by the College Committee Chair on behalf of the committee.

(The role has been assigned to the corresponding person on this step. If incorrect, please notify GradCurriculum@unlv.edu)

1. Review the proposal. Discuss and make appropriate revisions.
2. Fill in vote information.
3. Then go to the proposal toolbox at the top right side. Click on  and select the corresponding decision for the committee. This will enable the proposal to go to the next person on the workflow.

You can check the status of the proposal by clicking  in Proposal Toolbox to verify that the proposal has gone to the next step.

Date faculty voted on proposal 4/9/2020

Result of vote (Number of 2-0-0 Approval- Engineering and Business

yes/no/abstention
votes)

Manner of vote online
(online, in-person,
etc.)

VIII. Processing Notes (Graduate College/Registrar Use Only)

PS Processing Notes

PS Processing Date

Initials

Aalog Processing
Notes

Aalog Processing
Date

Initials

Comments for CSEC - 703 - Cyber Physical Systems Security

Curriculog	5/13/2020 2:30 pm Reply
Emily Lin has approved this proposal on Graduate College Dean.	
Curriculog	5/11/2020 11:54 am Reply
Graduate Curriculum has approved this proposal on Graduate Course Review Committee.	
Curriculog	5/11/2020 8:27 am Reply
James Navalta has approved this proposal on behalf of Graduate Course Review Committee. See Graduate Course Review Committee 05-06-2020 for more information.	
Curriculog	4/9/2020 1:58 pm Reply
Emily Lin has approved this proposal on School/College Associate Dean for Graduate Studies/ Dean.	
Curriculog	4/9/2020 1:58 pm Reply
Emily Lin has approved this proposal on School/College Committee.	
Curriculog	4/8/2020 5:10 pm Reply
Gregory Moody has approved this proposal on Department Chair.	
Curriculog	4/8/2020 5:10 pm Reply
Gregory Moody has approved this proposal on Graduate Coordinator.	
Curriculog	3/29/2020 0:08 am Reply
This proposal has passed its deadline and has been approved.	
Curriculog	3/25/2020 10:24 am Reply
Graduate Curriculum has approved this proposal on Technical Review.	
Curriculog	3/24/2020 6:06 pm Reply
Gregory Moody has approved this proposal on Originator.	

Gregory Moody

3/24/2020 6:06 pm [Reply](#)

Same as last.

Curriculog

3/24/2020 6:06 pm [Reply](#)

Gregory Moody has relaunched this proposal.

Graduate Curriculum

3/12/2020 10:26 am [Reply](#)

- Please review suggestive revised description. If satisfactory, no action needs to be taken, simply approve the proposal once again (after all points resolved). Otherwise please re-edit and approve with comments.

- Please include updated minimum provost requirements to syllabus (attached)

- Please review mode of instruction to select only the mode that will effectively be employed. (if independent versions of the course are planned, please add this information into the explanation field)

For help and assistance please contact gradcurriculum@unlv.edu

Curriculog

3/12/2020 10:26 am [Reply](#)

Graduate Curriculum has rejected this proposal on Technical Review.

Curriculog

3/9/2020 5:06 pm [Reply](#)

Gregory Moody has approved this proposal on Originator.

Curriculog

10/1/2019 3:16 pm [Reply](#)

Gregory Moody has launched this proposal.