Please verify your data for New Curriculum Course Request for department: CS; college: A.
Go to the following URL to complete your worklist items: https://bwfp1.cc.wmich.edu:7102/wfbprod

Date of request: 08-OCT-2019
Request ID: A-2019-CS-37
College: A
Department: CS
Initiator name: Jason Johnson
Initiator email: jason.e.johnson@wmich.edu
Proposed effective term: 202040
Does course need General Education approval?: N
Will course be used in teacher education?: N
If 5000 level course, prerequisites apply to: B
Proposed course data:
Change Course CYCS 5750
Specific Course Change type selected: Pre or Co-requisites

1. Existing course prefix and number:
   CYCS 5750

2. Existing course prerequisites:
   Prerequisites and Restrictions:
   (CS 5710  Minimum Grade of C  OR
   CYCS 5710  Minimum Grade of C) AND
   CIS 5710  Minimum Grade of C

3. Proposed course prerequisites:
   (CS 5710  Minimum Grade of C  OR
   CYCS 5710  Minimum Grade of C) AND
   (CIS 5710  Minimum Grade of C OR
   CYIS 5710 Minimum Grade of C)

4. Existing course corequisites:
   No Corequisites exist for CYCS 5750 in term 202040.
5. Proposed course corequisites:
none

6. Proposed course prerequisites that may be taken concurrently (before or at the same time):
none

7. Minimum grade for prerequisites (default grades are D for Undergrad and C for Grad):
C

8. Do prerequisites and corequisites for 5000-level courses apply to undergraduates, graduates, or both?
Both

9. If this change applies to multiple courses, please list them below.
Not Applicable

A. Please choose Yes or No to indicate if this class is a Teacher Education class:
No

B. Please choose the applicable class level:
Both

C. Please respond Yes if this is a current general education course and/or a course being submitted for the new WMU Essential Studies program. Please respond No if it is neither.
No

D. Explain briefly and clearly the proposed improvement.
Add CYIS 5710 as a prerequisite.

E. Rationale. Give your reason(s) for the proposed improvement. (If your proposal includes prerequisites, justify those, too.).
CIS is changing CIS 5710, which is the current designation of the current prerequisite, to CYIS 5710. This change simply modifies the prerequisites for CYCS 5750 to reflect that change.

F. List the student learning outcomes for the proposed course or the revised or proposed major, minor, or concentration. These are the outcomes that the department will use for future assessments of the course or program.
N/A

G. Describe how this curriculum change is a response to student learning assessment outcomes that are part of a departmental or college assessment plan or informal assessment activities.
N/A

H. Effect on other colleges, departments or programs. If consultation with others is required, attach evidence of consultation and support. If objections have been raised, document the resolution. Demonstrate that the program you propose is not a duplication of an existing one.
None

I. Effect on your department's programs. Show how the proposed change fits with other departmental offerings. This change simply assures that the prerequisites for CYCS 5750 reflect the new course prefix.

J. Effects on enrolled students: are program conflicts avoided? Will your proposal make it easier or harder for students to meet graduation requirements? Can students complete the program in a reasonable time? Show that you have considered scheduling needs and demands on students' time. If a required course will be offered during summer only, provide a rationale.
None

K. Student or external market demand. What is your anticipated student audience? What evidence of student or
market demand or need exists? What is the estimated enrollment? What other factors make your proposal beneficial to students?
N/A

L. Effects on resources. Explain how your proposal would affect department and University resources, including faculty, equipment, space, technology, and library holdings. Tell how you will staff additions to the program. If more advising will be needed, how will you provide for it? How often will course(s) be offered? What will be the initial one-time costs and the ongoing base-funding costs for the proposed program? (Attach additional pages, as necessary.)
This change will require no additional resources.

M. With the change from General Education to WMU Essential Studies, this question is no longer used.

For courses requesting approval as a WMU Essential Studies course, a syllabus identifying the student learning outcomes and an action plan for assessing the student learning outcomes must be attached in the Banner Workflow system.
Not Applicable

N. (Undergraduate proposals only) Describe, in detail, how this curriculum change affects transfer articulation for Michigan community colleges. For course changes, include detail on necessary changes to transfer articulation from Michigan community college courses. For new majors or minors, describe transfer guidelines to be developed with Michigan community colleges. For revisions to majors or minors, describe necessary revisions to Michigan community college guidelines. Department chairs should seek assistance from college advising directors or from the admissions office in completing this section.
N/A

O. Current catalog copy:
This course covers the theory and practice of software security, focusing on common software security risks including: identification of potential threats and vulnerabilities, methods and tools for identifying and eliminating security vulnerabilities, and coding principles to avoid security holes in new software. The course covers essential guidelines for building secure software: how to design software with security in mind from the ground up and to integrate analysis and risk management throughout development.
Prerequisites/Corequisites: Prerequisites: (CS 5710 or CYCS 5710) and CIS 5710, with a grade of 'C' or better in all prerequisites.
Credits: 3 hours
Restrictions Restricted to majors in Cybersecurity.
Notes: Open to upperclass and graduate students.

P. Proposed catalog copy:
This course covers the theory and practice of software security, focusing on common software security risks including: identification of potential threats and vulnerabilities, methods and tools for identifying and eliminating security vulnerabilities, and coding principles to avoid security holes in new software. The course covers essential guidelines for building secure software: how to design software with security in mind from the ground up and to integrate analysis and risk management throughout development.
Prerequisites/Corequisites: Prerequisites: (CS 5710 or CYCS 5710) and (CIS 5710 or CYIS 5710), with a grade of 'C' or better in all prerequisites.
Credits: 3 hours
Restrictions Restricted to majors in Cybersecurity.
Notes: Open to upperclass and graduate students.
Department Curriculum Chair approver: Jason Johnson

Department Curriculum Chair comment:

Date: 08-OCT-2019

Department approver: Steve Carr

Chair comment:

Date: 08-OCT-2019