1. Existing course prefix and number:
   CS 5541

2. Existing course prerequisites:
   Prerequisites and Restrictions:
   (CS 2240 Minimum Grade of C OR
   CS 224 Minimum Grade of C) AND
   (CS 3310 Minimum Grade of C OR
   CS 331 Minimum Grade of C)

3. Proposed course prerequisites:
   (CS 3240 Minimum Grade of C OR
   CS 324 Minimum Grade of C) OR
   ((CS 2240 Minimum Grade of C OR
   CS 224 Minimum Grade of C) AND
   (CS 3310 Minimum Grade of C OR
   CS 331 Minimum Grade of C))

4. Existing course corequisites:
   No Corequisites exist for CS 5541 in term 201940.

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?
   GR

9. If this change applies to multiple courses, please list them below.
A. Please choose Yes or No to indicate if this class is a Teacher Education class:
No

B. Please choose the applicable class level:
Graduate

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 CS 3240 as a stand-alone prerequisite for CS 5541.

E. Rationale. Give your reason(s) for the proposed improvement. (If your proposal includes prerequisites, justify those, too.).
Passing CS 3240 with a C or better will ensure that a student has all the necessary knowledge to succeed in CS 5541. Adding CS 3240 as a stand-alone prerequisite will not only ensure that a student in CS 5541 has all the necessary knowledge for the course but will also make it easier for new students to satisfy prerequisite requirements, allowing greater flexibility in planning and scheduling their studies.

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.
Not applicable. This is an existing course and there will be no changes to learning outcomes.

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.
Not applicable. This change is simply a correction to prerequisite requirements.

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.
No effect on other departments or programs.

I. Effect on your department’s programs. Show how the proposed change fits with other departmental offerings.
There will be no change to our program.

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. This change will make it easier for our students to meet graduation requirements by giving them more options to meet the prerequisite requirements of CS 5541.

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? All CS Graduate students are required to pass CS 5541. Allowing greater flexibility in prerequisite requirements will make it easier for students to meet this requirement.

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.) No effect.

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.
Not applicable

O. Current catalog copy:
A review course offered to first-year graduate students to quickly develop foundation in computer systems. It reviews and reinforces basic concepts and techniques in computer architecture, operating systems and databases. Topics covered include: binary data representation, assembly, memory hierarchy, parallelism in computer architecture; processes and threads, scheduling, concurrency, memory management, I/O, file system in operating systems; and relational model, SQL, application development in databases. The course aims to strengthen student programming skills through intensive lab assignments. It comprises four hours of lecture and recitation experience every week.
P. Proposed catalog copy:
No change