THE OHIO STATE UNIVERSITY

College of Engineering

Undergraduate Education & Student Services

122 Hitchcock Hall
2070 Neil Avenue
Columbus, OH 43210-1278

614-292-2651 Phone
614-292-9379 Fax

engineering.osu.edu

Memo

To: Randy Smith, Vice Provost for Academic Programs, Office of Academic Affairs
From: Rosie Quinzon-Bonello, Assistant Dean for Curriculum and Assessment
Date: December 5, 2025

Re: Informational Item: Revision to the Computer Science Minor Program

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On December 4, 2025, the Center for Aviation Studies presented, as an informational item, the following curriculum changes to the Computer Science minor:

- Add CSE 1224 *Introduction to Computer Programming in Python* to the list of prerequisites course options in the minor
- Add CSE 2124 *Data Structures Using Python* to the list of course options in the Software category in the minor

Yours sincerely,

Rosie Quinzon-Bonello

THE OHIO STATE UNIVERSITY

College of Engineering

Jeremy Morris
Assistant Professor of Practice
Dept. of Computer Science & Engineering

395 Dreese Labs
2015 Neil Avenue
Columbus, OH 43210-1277

614-688-5610 Phone
614-292-2911 Fax

November 5, 2025

To: College of Engineering CCAA

Re: Changes to CS Minor

We are requesting the following change to the CS Minor program, effective Spring 2026:

- Add the course CSE 2124 and its required pre-requisite course CSE 1224 as a possible path minors can take to fulfil the introductory programming requirement.

The CSE faculty unanimously approved these changes.

Rationale for the change: CS minors currently must complete a second programming course as part of the minor. At present the minor offers this course in C++ (CSE 2122) and Java (CSE 2123). The department added an introductory course in Python many years ago (CSE 1224) and has as of Autmn of 2025 added the companion second programming course in Python (CXSE 2124). As Python is a language that has many uses across many disciplines, we would like to open this up as a possible path for minors.

I have included both the new and current curriculum sheets for our minor with changes tracked.

If you have any further questions, please contact me at morris.343@osu.edu.

Sincerely,

Jeremy Morris
Assistant Professor of Practice
Computer Science & Engineering
CSE Undergraduate Studies Committee Chair

Computer Science (COMPSCI-MN)

Note that elective courses for this minor may have additional prerequisites.

Department of Computer Science & Engineering,
395 Dreese Laboratories, 2015 Neil Avenue
Columbus, OH 43210-1277; 614-292-1900
https://cse.osu.edu
compsciadvising@osu.edu

Students interested in applying computing principles and practices in another discipline (in   which they may be completing a major degree program) should consider completing the Computer Science (CS) Minor program. The program described below applies to students who begin the minor courses in Summer 2024 or later.

Students pursuing the minor do not have priority enrollment in CSE courses.

A. **Prerequisites for the Minor:**
   CSE 1222: Introduction to Computer Programming in
      C++ (3 cr hrs); *or*
   CSE 1223: Introduction to Computer Programming in
      Java (3 cr hrs); *or*
   CSE 1224: Introduction to Computer Programming in
      Python (3 cr hrs)

B. **Requirements for the Minor (min 16 cr hrs):**
   1. <u>Required courses (10 credit hours)</u>:
      a. Software:
         CSE 2122, Data Structures Using C++, (3 cr hrs);
            or
         CSE 2123, Data Structures Using Java (3 cr hrs);
            or
         CSE 2124, Data Structures Using Python (3 cr
            hrs).
      b. Foundations:
         CSE 2321, Foundations I: Discrete Structures (3
            cr hrs)
      c. Systems:
         CSE 3430, Overview of Computer Systems For
            Non-Majors (4 cr hrs)
   2. <u>Elective courses (minimum: 6 cr hrs)</u>:
      i. Must be chosen from CSE 2331, CSE courses at
           the 3000-level or above, or BIOMEDE 5710 (3)
      ii. Not more than 2 cr hrs of CSE 425X courses;
      iii. The following courses are recommended:
         • CSE 2331 – Foundations II
         • CSE 3241 - Introduction to Database
           Systems
         • CSE 4471 – Information Security
         • CSE 5052 – AI for non-majors

Computer Science minor program guidelines

<u>Credit hours required</u> A minimum of 16 cr hrs. 1000 level courses shall not be counted in the minor. At least 6 cr hrs need to be at the 3000 level or above as defined by the College of Arts and Sciences and the College of Engineering.

<u>Transfer and EM Credit Hours Allowed</u>
A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination toward the minor.

<u>Overlap with the GE</u>   A student is permitted to overlap up to 6 cr hrs between the GE and the minor

<u>Overlap with the Major and Additional Minor(s)</u>
- The minor must be in a different subject than the major.
- The minor must contain a minimum of 12 hours distinct from the major and/or additional minors.

<u>Grades Required</u>
- Minimum C- for a course to be listed on the minor.
- Minimum 2.00 cumulative GPA for all minor course work
- Course work graded Pass/Non-Pass cannot count on the minor.
- No more than 3 cr hrs of course work graded Satisfactory/Unsatisfactory may count towards the minor.

<u>X193 Credits</u> No more than 3 cr hrs

<u>Declaring the minor</u>
Students should see their assigned academic advisor to declare the minor prior to the filing of the graduation application. Students do not need the approval of the Department of Computer Science and Engineering to declare the minor.

<u>Approval of Coursework</u>
Initial approval of the minor coursework:
Students who complete the minor following the guidelines on this sheet need only verify with their academic advisor that the minor appears complete on the Degree Audit Report. No approval from the Department of Computer Science and Engineering is required.

Approval for courses not listed on this form to apply to the minor program:
Students must obtain the approval of the Department of Computer Science and Engineering to apply courses not listed on this form toward the Computer Science minor. Please email compsciadvising@osu.edu to request approval.