

The Ohio State University  
College of Engineering

**Computer and Information Science (CPTRINF-MN)**

Department of Computer Science & Engineering,  
395 Drees Laboratories, 2015 Neil Avenue  
Columbus, OH 43210-1277; 614-292-1900  
<http://cse.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 & Information Science (CIS) Minor program. The program described below applies to students who begin the minor courses in Spring 2015 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)

**B. Requirements for the Minor (min 17 cr hrs):**

1. Required courses (11 credit hours):
    - a. Software:  
CSE 2122, Data Structures Using C++, (3 cr hrs);  
*or*  
CSE 2123, Data Structures Using Java (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)
    - d. Computing Ethics:  
CSE 5201, Social, Ethical, and Professional Issues in Computing (1 cr hr)
  2. Elective courses (minimum: 6 cr hrs):
    - i. Must be chosen from CSE 2331, and CSE courses at the 3000-level or above;
    - ii. Not more than 2 cr hrs of CSE 425X courses;
    - iii. The following tracks are recommended:
      - Graphics: CSE 3541, 3902
      - AI: CSE 3521; one of CSE 5522, 5523, 5524, 5525, 5526
      - Networking: CSE 3461; one of CSE 3901, 4471, 5462, 5472, 5473
      - Software Engineering: CSE 3231; one of 3232, 5234
      - Databases: CSE 3241, 5242
      - Programming languages: CSE 3341; one of 3231, 3901
      - Theory: CSE 2331; one of 3321, 5351, 5361
- Several of the courses listed under (2.iii) have additional prerequisites.

**Computer and Information Science minor program guidelines**

Required for graduation No

Credit hours required A minimum of 17 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.

Transfer and EM Credit Hours Allowed

A student is permitted to count up to 6 total hours of transfer credit and/or credit by examination toward the minor.

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

Overlap with the Major and Additional Minor(s)

- 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.

Grades Required

- Minimum C- for a course to be listed on the minor.
- Minimum 2.00 cumulative point-hour ratio required for the minor.
- 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.

X193 Credits No more than 3 cr hrs

Minor Approval Please meet with an academic advisor in the CSE Advising Office (374 Drees).

Filing the Minor Program Form Students are encouraged to have their major advisor or college/school counselor add the minor to their record as soon as they start taking courses toward the minor. The minor program form *must* be filed at least by the time the graduation application is submitted to a college/school counselor.

Changing the Minor Once the minor program is filed in the college office, any changes must be approved by the academic unit offering the minor.

College of Arts and Sciences  
Curriculum and Assessment Services  
154 Denney Hall, 164 Annie & John Glenn Ave..  
<http://artsandsciences.osu.edu>

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Updated 1/31/14 DH  
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