

## Minor in Computer Science

These CS minor requirements are effective Fall 2016.

Students must apply to the CS minor and be approved by a member of the CS Advising staff. To apply for a CS minor, students must have completed with a 'C' grade or better both CS 18000 and a Math class as follows:

- CS 18000 (or receive a 5 on the AP Computer Science test, or receive a 4 on the AP Computer Science test and pass the CS 18000 test-out exam) *and*
- MA 16100 or MA 16300 or MA 16500 or MA 16700 or (MA 22100 and MA 22200) or MA 16021 or (MA 22300 and 22400) or establish credit for Calculus I through AP credit, Transfer Credit, or credit by exam.

### Application process:

1. Complete the CS Minor Application with your advisor.
2. Submit complete and signed application to the administrative assistant in the CS Undergraduate Advising Office (LWSN 1123) between 8:00 am - 12:00 pm, or 1:00 pm - 5:00 pm, Monday through Friday, or to an advisor during their posted non-major walk-in hours. If the application is approved, a minor in Computer Science will be granted upon completion of the following requirements:

### Minor Requirements:

- Five (5) CS courses from the list below. AP credit can be used for the minor application as described above, but will not count toward the five required CS courses.
- All courses' pre-requisites must be met in order to enroll in CS courses. Click the link for each course to see the required pre-requisites.
- All courses must be taken at the Purdue West Lafayette campus.
- A minimum grade of 'C' in all CS courses used towards the minor is required. (A 'C-' is not accepted.)
- **Enrollment in all CS courses is subject to space availability.** CS Minors are expected to take CS courses during off-peak sessions. Students are responsible for maintaining an up-to-date minor plan of study, for knowing registration timelines, and for requesting space through the correct process. Computer Science majors are given priority in registering for CS classes.
- CS Minors may take a total of five (5) CS major courses and no more.

### Required Courses (10 credits)

Course	Credits
CS 18000 Problem Solving and Object-Oriented Programming*	4
CS 18200 Foundations of Computer Science^	3
CS 24000 Programming in C	3

\*Students with AP CS credit (as described above) may use their AP credit in place of CS 18000 as a pre-requisite for other CS courses, but AP credit will not count toward the five (5) CS courses. In this case, the student must choose three of the following Elective Courses.

^Math majors may use Math 37500 in place of CS 18200 as a pre-requisite for other CS courses, but Math 37500 will not count toward the five (5) CS courses. In this case, the student must choose three of the following Elective Courses.

### Elective Courses (6-8 credits) - Choose two of the following

Course	Credits
CS 25000 Computer Architecture	4
CS 25100 Data Structures and Algorithms	3
CS 25200 Systems Programming	4
CS 30700 Software Engineering I	3
CS 31400 Numerical Methods	3
CS 33400 Fundamentals of Computer Graphics	3
CS 34800 Information Systems	3
CS 35500 Introduction to Cryptography	3
CS 38100 Introduction to the Analysis of Algorithms	3
CS 40800 Software Testing	3
CS 44800 Introduction to Relational Database Systems	3
CS 47100 Introduction to Artificial Intelligence	3

**The student is ultimately responsible for knowing and completing all degree requirements. myPurduePlan is a source for specific requirements and completion.**