



AP COMPUTER SCIENCE A

Course Description

AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of **coding** through **analyzing**, **writing**, and **testing code** as they explore concepts like **modularity**, **variables**, **control structures**, and **inheritance**. This is an excellent course for any student thinking of entering into computer science as a profession or college major.

What will we learn in AP Computer Science A?

- Logic, problem solving, and creativity
- Design, development, testing, and debugging of computer programs using the Java programming language.
- Java syntax, object-oriented programming, problem solving, and algorithmic development.



UC/CSU A-G
Approved Math
Elective (C)

NHS Math
Elective

Reading Time:
20 minutes/class

Practice Time:
40 minutes/class

Total Homework: ~150
minutes/week

Prerequisites:

Junior or Senior
Math 3 → A
or
Enh. Math 2 → B
or
AP CS Principles → A-

INSTRUCTOR

Catherine Cali
catherinecali@iusd.org
Room 1123