



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.

How will the class be graded?

- A proficiency scale will be used (1/Beginning to 4/Excelling)
- Essential Standards - 70% of grade
- Summative Opportunities (Projects, Assessments & Final Exam) - 30% of grade



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

INSTRUCTOR

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