

Computer Science

Required courses:

AP Computer Science Principles
or Computer Science I

AP Computer Science A
or Computer Science II KAP

Optional courses:

Computer Science III – Data Structures KAP
Computer Science Independent Study KAP
Unity Game Development KAP

What can students expect:

In Computer Science, students will be able to express their creativity through computer programming projects and will learn to program in various programming languages such as Scratch, Python, Java and C#. Students can take electives in areas such as video game development and cloud computing.

Traits of students who excel:

- Self-Starter
- Experiments with technology
- Problem solver
- Wants to improve computer skills
- Interest in computers
- Attention to details

Traits of students who struggle:

- No computer access at home
- Easily distracted by other things on the computer
- Thinks computer science is only about video games

Career & Technical Student Organizations:

Computer Science Club,

Technology Student Association

Additional Opportunities:

Certification exams for CS I, CS II, and Unity Game Development

College credit through AP Exams or Dual-credit classes

Career & Salary Information:

Software Developer: \$70k - \$120k
Information Security Analyst: \$70-\$110k
Database Administrator: \$70-\$110k

Network Administrator: \$60k - \$100k
Video Game Developer: \$60k - \$110k
CS Teacher: \$55k - \$76k