

COMPUTER SCIENCE PATHWAY



Program Overview

Computer Science provides students the opportunity to investigate emerging disciplines within the field of computer science. Areas of study will include exploring how computers can be used in a wide variety of settings. Students will utilize knowledge related to data science, artificial intelligence, app/game development, security, and programming skills to develop solutions to authentic problems.

College Credits through AP exams*

- AP Computer Science A
- AP Computer Science Principles

*Students must score a 3, 4 or 5 on AP exams to earn college credit

Pathway Courses (NLPS)

- Principles of Computing - 7183
- Topics in Computer Science - 7351
- Computer Science - 7352
- Computer Science Capstone - 7353

Recommended Qualifications

- Students can enroll in Computer Science as a junior or senior.
- GPA of a 2.5 or higher is recommended.
- Interview process may be required.
- A genuine interest in the computer science career field.
- Good communication and social skills.
- Must be able to handle a very structured. environment, (rules, policies, procedures)
- Strong foundation in basic math skills with the ability to use a tape measure (Geometry preferred).
- Ability to handle quick-paced, high-pressure situations in a high-risk environment that is often loud.
- Ability to work independently after the given direction.
- Physical activity involved.
- No discipline referrals or out of school suspensions.
- No more than ten absences per year.
- Students are required to stay in the program for the entire school year.

Certifications

- PCEP™ – Certified Entry-Level Python Programmer (\$80 for 2 attempts)
- PCAP™ – Certified Associate Python Programmer (\$345 for 2 attempts)
- Java SE 8 Programmer I (\$245 for 1 attempt)

Estimated Student Cost

Total: Certification Exam Fees.

