

Computer science arms you with the skills to create the most cutting-edge next-gen phones, apps and digital technology. Are you ready to be an innovator?



Courses:

Pathway Description:

Whether building apps to meet client needs or exploring cybersecurity, computer science engages students in interdisciplinary activities. Students in this pathway will build knowledge and expertise in computer science, while also developing essential skills such as problem solving, critical and creative thinking, communication, collaboration, and perseverance.

Key Competencies:

- Develop comfort with using visual, block-based programming which transitions to text-based programming to create apps & websites
- Develop programming expertise & workings of the internet.
- Develop computational thinking skills for mobile platforms
- Raise knowledge and commitment to ethical computing behavior

Courses (HS Credits):

- Year 1:** 900J Computer Science Essentials - PLTW (2)
Year 2: 9418 AP Computer Science Principles - PLTW (2)
Year 3: 9419 AP Computer Science A - PLTW (2)
Year 4: 900K Cybersecurity – PLTW (2)

College Credits: AP credit based on AP score

Annual National Average Salary for Mid-Career in Computer Science: \$110,100

Career Opportunities:

Applications Analyst	Data Modeler
Programmer Analyst	Applications Engineer
Operating System Designer	Project Lead
Business Analyst	Program Manager
Software Applications Specialist	Computer Engineer
Programmer	Software Applications Tester
Software Design Engineer	Systems Administrator
Systems Analyst	Test Engineer
Tester	Operating Systems Engineer