

Computer Science



In Computer Science students learn about the creative aspects of coding, abstractions, algorithms, large data sets, the Internet, and cybersecurity.



	Pathway Course	English	Math	Social Studies	World Language	Science	PE
Year 1	AP Comp Science Principles	English 1 or English 1H	Alg 1 or Geometry	Elective	Spanish 1 or French 1 or Latin 1	Biology	PE 1
Year 2	PLTW Computer Science Software & Engineering	English 2 or English 2H	Geometry or Alg 2	World History	Spanish 2 or French 2 or Latin 2	Chemistry	PE 2
Year 3	AP Comp Science A	English 3 or AP English Language	Alg 2 or Pre-Calc	US History	Elective	Physics	Elective
Year 4	Engineering Design and Development	English 4 or AP English Literature	Pre-Calc or Calculus	Government and Economics	Elective	Elective	Elective

External Activities & Experiences

- Coding Club
- Dave Wittry Programming Contest
- CyberPatriot Competition

Possible College Majors

- Artificial Intelligence
- Computer Science
- Information Technology
- Database Management

Certifications / College Credit

- Two AP Courses
- Introduction to Computing (CSP)
- Computer Science 101 (CSA)

Careers

- Application Developer
- Systems Analyst
- Network Administrator
- Computer Programmer

*Please see your counselor for details about Honors and Advanced Placement courses available