Computer Science Courses *(alphabetical order by course title)*

CREDIT	COURSE	COURSE TITLE	PREREQUISITE	OFFERED
.5	6500 T6599S	Introduction to Computer Science Introduction to Computer Science, summer only, Tonka Online	Grade of C or better in Algebra	9-12
.5 .5	6502 6504	App Development with Swift, S1 App Development with Swift, S2	Algebra (Intro to App Development with Swift not required)	9-12
.5	6506 T6506	Web Design Web Design, Tonka Online	Keyboarding skills	9-12
.5	6508 T6508	Video Game Design Video Game Design, Tonka Online	None	9-12
.5	6510	Advanced Video Game Design	Video Game Design	9-12
.5	6514	Cybersecurity	None	9-12
.5	6518	Artificial Intelligence and Machine Learning	Students should have successfully completed a programming course or self-study to the point where the student is comfortable programming in a language.	9-12
.5	6520	Programming in Python and Shell	None	9-12
.5 .5	AP650 AP652	AP Computer Science A, S1 AP Computer Science A, S2	AP Computer Science Principles strongly recommended, or prior coding experience; B or better in Higher Algebra, Higher Algebra Honors, or Instructor's permission	9-12
.5 .5 .5 .5	AP654 AP656 T6500F T6502W	AP Computer Science Principles, S1 AP Computer Science Principles, S2 AP Computer Science Principles, Tonka Online, part 1 AP Computer Science Principles, Tonka Online, part 2	Grade of C or better in Algebra; Introduction to Computer Science is recommended but not required	9-12
.5 .5	IB650 IB651	IB Computer Science SL, S1 IB Computer Science SL, S2	C or better in Higher Algebra, Higher Algebra Honors, or Instructor's permission	9-12
.5 .5	IB652 IB653	IB Computer Science HL, S1 IB Computer Science HL, S2	AP Computer Science A or IB Computer Science SL	11-12
.5	T6512	Intro to App Development with Swift, Tonka Online Select Term: T6512S / T6512F / T6512W	Algebra	9-12

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2.0	V500	VANTAGE User Experience (UX) Design AP Computer Science Principles (1.0 computer science elective credit) Digital Interface Design (1.0 Arts credit) *This course fulfills the Arts credit requirement.*	Interest in how applications and websites are designed and developed.	10-12