7910C Principles of Information Technology
Credit: 1
Prerequisite: None
This course will begin to prepare students for a career as a computer technician. PC hardware and software will be introduced. Build computers from scratch, and begin to learn the art of troubleshooting PC problems. You will be exposed to both operating system software, such as Windows and Linux, and common applications, including an introduction to the Microsoft Office Suite. Networking, computer security, and webpage creation will also be introduced. This course can earn college credit based on Articulation agreements with Brazosport Community College and WCJC; Articulation agreements are subject to change.

2533 Computer Science I
Credit: 1
Prerequisite: Principles of Information Technology and Algebra 1
Students will have the opportunity to gain knowledge in the use of hardware components and software programs, acquire information from electronic sources, use computer-based productivity tools, format digital information for effective communication and deliver products electronically in a variety of media.

2573 Computer Science I - PAP
Credit: 1
Prerequisite: Principles of Information Technology and Algebra 1
This is an introductory course into computer science. The course covers how to make basic console and graphical computer programs. Topics include: input/output, data storage, selection/repetition statements, and mathematical/comparison operations. Carefully read the section describing PAP and AP in the "High School Overview" section of this catalog under "Planning Your Schedule."

2592 Computer Science Principles – AP
Credit: 1
Prerequisite: Computer Science 1 or Computer Science I PAP (Computer Science 1 PAP recommended)
Whether it's 3-D animation, engineering, music, app development, medicine, visual design, robotics, or political analysis, computer science is the engine that powers the technology, productivity, and innovations that drive the world. Computer science experience has become an imperative for today's students and the workforce of tomorrow. AP Computer Science Principles has the goal of creating leaders in computer science fields and providing students with essential computing tools and multidisciplinary opportunities. This AP course will require students to dedicate themselves to study required by rigorous college level standards. Students taking this course will be prepared and are expected to take the AP test upon completion. Carefully read the section describing PAP and AP in the "High School Overview" section of this catalog under "Planning Your Schedule."

2593 Computer Science A – AP
Credit: 1
Prerequisite: Computer Science 1 or Computer Science I PAP (Computer Science 1 PAP recommended)
The course is an advanced computer science course that allows students to work on large-scale projects. Topics include: advanced data structures, searching/sorting algorithms, recursion, algorithm efficiency and Graphic User Interfaces. This AP course will require students to dedicate themselves to study required by rigorous college level standards. Students taking this course will be prepared and are expected to take the AP test upon completion. Carefully read the section describing PAP and AP in the "High School Overview" section of this catalog under "Planning Your Schedule."

2574W Advanced Computer Science II
Credit: .5 - 1
Prerequisite: Computer Science A-AP or Computer Science Principles AP
Computer Science II will foster students' creativity and innovation by presenting opportunities to design, implement, and present meaningful programs through a variety of media. Students will collaborate with one another, their instructor, and various electronic communities to solve the problems presented throughout the course.