**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. Learn the art of troubleshooting PC problems. You will beexposed to both operating system software,

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, which 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.