COMPUTER SCIENCE DEPARTMENT

"Be nice to a nerd. Chances are you'll end up working for one."
BILL GATES

COMPUTER SCIENCE I

CS 500 **Semester** **1/2 credit** **Q.P. 4**

This required semester course is designed to familiarize each student with the fundamental applications of personal computers. Students learn the basics of personal computer operation, operating systems, Internet research, basic word processing, and basic presentation. State of the art hardware and software are used to prepare students for practical applications in today's technological world.

PREREQUISITE: None

ADVANCED MICROSOFT OFFICE

CS 501 **Semester** **1/2 credit** **Q.P. 4**

This semester course explores software commonly used in the business community. Student skills will be extended through more advanced uses of Microsoft Word. In addition, skills will be developed in the use of spreadsheets in Microsoft Excel and proper presentation of information using Microsoft PowerPoint.

PREREQUISITE: Computer Science I

WEB SITE DESIGN

CS 502 **Semester** **1/2 credit** **Q.P. 4**

This semester course provides students with the basics of web site design using a simple text editor and hypertext markup language (HTML). Students then learn how to use commercial design software such as Adobe Dreamweaver and Flash. Each student will design a complete web site that is ready to be published.

PREREQUISITE: Computer Science I

ESSENTIALS OF COMPUTER PROGRAMMING

CS 503 **Semester** **1/2 credit** **Q.P. 4**

This semester course stresses the development and use of correct logic and syntax in developing computer programs. Basic programming fundamentals are presented. Students learn programming skills by designing and writing application projects.

PREREQUISITES: Computer Science I and departmental approval

MULTIMEDIA

CS 504 **Semester** **1/2 credit** **Q.P. 4**

In this semester course, students learn about multimedia; including digital photography, video, graphics, sounds/music and animation. Students create projects using Adobe Photoshop Elements and Flash and the advanced features of Microsoft PowerPoint. This course is project-based for each topic. Students will create a final multimedia project, incorporating all of the skills learned during this course.

PREREQUISITE: Computer Science I