

COMPUTER SCIENCE DEPARTMENT

“I do not fear computers. I fear the lack of them.”

Isaac Asimov

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, spreadsheet use, and presentation skills. 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 extends the student's skills in the Microsoft Office Suite using computer based tutorials, exercises, and instruction. Microsoft Word, Excel, and PowerPoint are covered in depth.

PREREQUISITE: Computer Science I

WEB SITE DESIGN

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

This semester course teaches students how to write web pages using hypertext markup language (HTML) and cascading style sheets (CSS). Students then learn and use the Adobe Creative Suite software package to 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

DIGITAL DESIGN AND IMAGING

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

This semester course introduces students to the fundamentals of graphic design using Adobe Design and Illustrator software. Students will learn about aesthetics, design concepts, and technical skills providing them with a solid understanding of these disciplines. Students will also learn how to save and manipulate photographs on the computer using Adobe Photoshop software. Exercises will teach the concepts of altering photos using layers, filters, and other digital tools found in most image enhancement software.

PREREQUISITE: Computer Science I