CGS: Computer General Studies Courses

Courses

CGS 2060   Excursions in Computing
3 sh (may not be repeated for credit)
Explore and understand the role of computing in today's highly technological world. Examine the effective and ethical use of computing technology to address general and specialized domains and practice project delivery deadlines involving this technology. Topics include: role of computing, recent advances in computer hardware, system software options, system connectivity, time management and presentation technology, tools for researching current technology, algorithms, and limits of computing ethics. Meets General Education requirement in Natural Sciences.

CGS 2570   Personal Computer Applications
3 sh (may not be repeated for credit)
Internet Based online course, which provides practical experience with current popular microcomputer application packages. Students typically learn to use word-processing, spreadsheet, database software, and PowerPoint. Required for CIS majors but may not be taken for credit by CS majors.

CGS 2920   Foundations in Information Technology
1 sh (may not be repeated for credit)
This course will serve as a program cornerstone, introducing BS in IT students to the general scope of the Information Technology field. Students will begin the process of assessing academic and professional goals, including evaluating potential capstone experiences/goals, considering professional development opportunities within and outside UWF, and evaluating interest in graduate studies.

CGS 3183   Basic Web Applications
3 sh (may not be repeated for credit)
Prerequisite: CGS 2570
Introduces the student to the concepts and principles of designing software tools used in web applications. The student will gain hands on experience in developing, manipulating, and implementing web tools such as a databases and server-side programming. Credit may not be received in both CGS 3183 and CGS 3172.

CGS 3284   Network Management and Design
12 sh (may not be repeated for credit)
Develops the skills required to successfully manage and troubleshoot the ongoing needs of Microsoft Windows 2000 and 2003 server-based operating system environments, including Windows.Net Server. May not be taken for credit by CS/CIS majors. Permission is required.

CGS 3464   Programming Using Visual Basic for Non-Majors
3 sh (may not be repeated for credit)
Prerequisite: CGS 2570
An introductory course in programming for non-majors. Incorporates the basic concepts of programming, programming logic and problem solving, as well as the design features of a visual, event driven language. Students will use a visual interface to program useful applications.

CGS 3604   Applications of Information Technology
3 sh (may not be repeated for credit)
Prerequisite: (CGS 2570) AND (MAC 1105 OR MAC 1140)
Investigates current applications of information technology in business, scientific research, education, and media, and examines issues facing the information technology professional working in a variety of disciplines.

CGS 3763   Operating Systems Concepts
3 sh (may not be repeated for credit)
Prerequisite: (COP 2253 OR COP 2334) AND (CGS 2920)
Presents basic and applied skills/abilities to effectively utilize computer operating systems and analyze operating system performance.

CGS 3853   Web Page Design
3 sh (may not be repeated for credit)
Techniques for the creation of web sites that are flexible, scalable, and that take advantage of the World Wide Web. Topics include: FTP, HTML tags and web servers. Requires some research and project development. May not be taken for credit by CS / CIS majors. Credit may not be received in both CGS 3853 and CGS 3823.

CGS 4905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

CGS 4912   Undergraduate Research in Information Technology
1-3 sh (may be repeated for up to 6 sh of credit)
Prerequisite: CGS 2920
Students will propose, design, and perform a research project in consultation with a UWF professor, who will serve as research supervisor. Research will be summarized and presented within the department and University. Permission is required.

CGS 4935   Senior Seminar in Information Technology
1 sh (may not be repeated for credit)
Prerequisite: Completion of 90 hours of college course work is required prior to taking this course.
Students will meet with Information Technology professionals and faculty to learn about professional issues and responsibilities, employability skills and careers in Information Technology. This will help students understand the job market so they will be able to transfer skills to future job positions.

CGS 5905   Directed Study
1-12 sh (may be repeated indefinitely for credit)

CGS 6905   Directed Study
1-12 sh (may be repeated indefinitely for credit)