

Computer Information Systems Courses

Other relevant courses may be found under Business Administration.

- CIS 2011 VISUAL BASIC PROGRAMMING 3 cr
The course is an introduction to the Visual Basic programming language and the concepts involved in object oriented programming. The course will be a hands-on programming class that will expose students to the skills necessary to create and maintain visual programs. *Materials charge \$20. Fall.*
- CIS 2031 C/C++ PROGRAMMING I 3 cr
This course introduces students to the concepts of programming with abstract data types and object-oriented programming. It uses C++ to cover classes, inheritance, and polymorphism. The course also builds on the prerequisites to provide students with more advanced exposure to software design, implementation, debugging, and documentation. *Materials charge \$20. Fall.*
- CIS 2032 C/C++ PROGRAMMING II 3 cr
Topics to be covered include inheritance, object manipulation, windows programming, foundation classes, designing the visual interface and connecting to databases. *Prerequisite: CIS 2031. Materials charge \$20. Spring.*
- CIS 2141 PROGRAMMING INTERNET AND WEB APPLICATIONS 3 cr
This course focuses on the creation of web pages and web sites and the subsequent development of software applications that will serve those sites. The major emphasis is on client-side applications. Topics include HTML, graphics for web pages, client-side scripting (JavaScript/Jscript) and related programming concepts, and Dynamic HTML. *Materials charge \$20. Fall.*
- CIS 2161 COBOL I 3 cr
Real problems from the business world are studied and are solved by using the college computers and the COBOL language. *Materials charge \$20. Periodically.*
- CIS 2162 COBOL II 3 cr
This course examines advanced concepts of the COBOL language. Included in the course are programming assignments covering the concepts of table searching, reports writer features, the sort and merge commands, sequential and indexed file processing. *Prerequisite: CIS 2161. Materials charge \$20. Periodically.*
- CIS 2271 JAVA PROGRAMMING 3 cr
Topics include control flow, user defined and Java API classes and methods, data types (simple and object), object oriented concepts, operators, program design, basic input and output and swing GUI components. *Prerequisite: CIS 2041. Materials charge \$20. Fall.*
- CIS 2281 PERL 3 cr
The course will introduce students to PERL, the server-side programming language. Students will create programs that will allow them to interact directly with the server by creating dynamic content for web applications. *Prerequisites: CIS 2032. Materials charge \$20. Periodically.*
- CIS 3022 ADVANCED VISUAL BASIC 3 cr
The course is a continuation of CIS 2011 with an emphasis on advanced programming concepts to include arrays, functions, modules, file maintenance, security, graphics and databases. *Prerequisite: CIS 2011. Materials charge \$20. Spring.*

payment systems, and creation of a web site. *Prerequisite: permission of instructor. Materials charge \$20. Periodically.*

CIS 4110 HTML, DHTML, AND JAVA PROGRAMMING 3 cr

This course will focus on HTML, DHTML, and JAVA scripting as a tool for web page creation. The students enrolled in the course will create advanced web pages using these tools and others as a demonstration of their grasp of the programming component of the concentration. *Prerequisite: CIS 2011. Materials charge \$20. Spring*

CIS 4120 SYSTEMS ANALYSIS AND DESIGN 3 cr

The course addresses the methodology used in gathering data, analyzing data, and determining user requirements for information processing using advanced systems analysis techniques and the associated techniques used in designing solutions that then can be programmed as application software for use on computer-based systems. *Prerequisite: Junior or senior standing and permission of the instructor. Materials charge \$20. Fall*

Communications Courses

COM 1040 MEDIA WRITING 3 cr

This is a basic course covering writing in a variety of media including print and broadcast journalism, advertising, instructional television, public relations and broadcast continuity. *Prerequisite: ENG 1061. Every Semester.*

COM 1050 INTRODUCTION TO POPULAR CULTURE 3 cr

Popular culture forms from television to video games, music to the Internet, have been blamed for recent events as diverse as school shootings and an under-skilled workforce. This has led community leaders, parents, educators and sociologists alike to re-examine the effects of popular culture on society. This course takes up that debate, examining these key issues in a systematic manner using the most recent popular culture studies, theoretical frameworks which have their roots in sociology, anthropology, history and linguistics. *Fall.*

COM 1211 VIDEO WORKSHOP I 3 cr

This is a "hands-on" introduction to video production. Through class and workshops students will learn to develop, organize, produce and edit video programs in a variety of genres. In the process they will become familiar with cameras, lighting, audio and other video production equipment and techniques, and will have the opportunity to appear on camera if they wish. *Lab fee \$20. Every Semester.*

COM 1220 INTRODUCTION TO COMMUNICATION 3 cr

Mass Media has become the primary force in shaping our historical, political and social reality. The course introduces students to the study of the mass communication process and media literacy practices. Students will explore theoretical approaches to mass communication in the contexts and concerns of society, government and commerce. Historical development, functions and technological developments and subsequent cultural, political and economic implications will be examined. *Every Semester.*