

# Computer Information Systems

The computer information systems program is one of the most established and respected programs within the computer information systems discipline. It is a computer-based program in which computer information systems theory and practice receive equal emphasis as applied to both financial and managerial computer information systems issues. It intends to support the career objectives of those looking to enter the job market upon graduation, as well as the academic needs of those looking to pursue advanced degrees. Required course work covers areas critical to success in today's computer information systems workplace:

- Technical computer information systems knowledge
- Communication and interpersonal skills
- Career-related computer literacy
- A laptop computer is recommended, but not required, for students entering the computer information systems program.

## Courses

Course Number	Course Title	Credits
CIS 0800	Learning Computer Basics	3 Credits
CIS 1110	Using Computers: An Introduction	2 Credits
CIS 1120	The Internet	2 Credits
CIS 1130	Windows Basics	2 Credits
CIS 1140	Web Technologies & Cloud Computing	3 Credits
CIS 1150	Intro to Computer Information Systems	3 Credits
CIS 1160	Windows Command Line	2 Credits
CIS 1180	Introduction to Networking	3 Credits
CIS 1199	Introduction to Game Industry	3 Credits
CIS 1200	Game Design	3 Credits
CIS 1201	Advanced Game Design	3 Credits
CIS 1205	Office Ste SOFTWARE and Integration	3 Credits
CIS 1211	2D Game Development	3 Credits
CIS 1221	Introduction to Spreadsheets	3 Credits
CIS 1222	Advanced Spreadsheets	2 Credits
CIS 1230	Microcomputer Database Application	3 Credits
CIS 1240	Presentation Graphics - Windows Based	2 Credits
CIS 1250	Intro to Project Management Software	2 Credits
CIS 1270	IT Proposals and Presentations	2 Credits

<b>Course Number</b>	<b>Course Title</b>	<b>Credits</b>
CIS 1300	Web Design Software	3 Credits
CIS 1310	HTML and CSS	3 Credits
CIS 1315	Web Development for Educators	3 Credits
CIS 1400	Programming Logic and Technique	4 Credits
CIS 1450	Intro to Linux/Unix Operating Systems	3 Credits
CIS 1510	Graphical User Interface Programming	4 Credits
CIS 1600	Fundamental Principles Operating Systems	3 Credits
CIS 1610	Windows Client OS	3 Credits
CIS 1611	Windows Vista Administration	3 Credits
CIS 1620	Windows Server OS	3 Credits
CIS 1630	Windows Server Active Directory (AD)	3 Credits
CIS 1660	Managing Microsoft Windows Server Netwk	3 Credits
CIS 1670	Planning a Microsoft Win Server Network	3 Credits
CIS 1820	Selected Topics	1-3 Credits
CIS 1840	Independent Study	1-4 Credits
CIS 2211	2D Game Scripting	3 Credits
CIS 2212	3D Game Development	3 Credits
CIS 2213	Advanced 3D Game Development	3 Credits
CIS 2220	Game Programming Using C++	3 Credits
CIS 2230	Simulation and Serious Game Design	3 Credits
CIS 2240	Cross-Platform Game Design	3 Credits
CIS 2250	Multiplatform Game Programming	3 Credits
CIS 2252	Advanced Multiplatform Game Programming	3 Credits
CIS 2260	Game Programming Cross-Platform	3 Credits
CIS 2320	JavaScript and Advanced HTML	3 Credits
CIS 2330	Introduction to XML	3 Credits
CIS 2331	Advanced XML	3 Credits
CIS 2335	AJAX	4 Credits
CIS 2340	Common Gateway Interface (CGI)/Perl	4 Credits

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Course Number	Course Title	Credits
CIS 2350	Introduction to ASP.NET	4 Credits
CIS 2360	Intro to PHP Programming Language	4 Credits
CIS 2411	Introduction to COBOL Programming	4 Credits
CIS 2420	Microprocessor Assembly Language	4 Credits
CIS 2430	Mainframe Assembly Language	4 Credits
CIS 2440	Shell Programming for Unix/Linux	3 Credits
CIS 2450	UNIX System Administration	3 Credits
CIS 2455	LINUX System Administration	3 Credits
CIS 2480	FORTRAN for Scientific Programming Appl	3 Credits
CIS 2485	C++ for Science and Engineering	3 Credits
CIS 2510	Adv Graphical User Interface Programming	4 Credits
CIS 2521	Visual Basic .NET I	4 Credits
CIS 2541	C++ Language Programming	4 Credits
CIS 2542	Adv C++ With Data Structure Application	4 Credits
CIS 2551	Introduction to MS Visual C++ .NET Prog	4 Credits
CIS 2552	Object-Oriented Program Development With	4 Credits
CIS 2561	Introduction to C# .NET	4 Credits
CIS 2562	Advanced C# Programming	4 Credits
CIS 2571	Introduction to Java	4 Credits
CIS 2572	Collections in Java	4 Credits
CIS 2573	Advanced Java Technologies	4 Credits
CIS 2591	Objective C	4 Credits
CIS 2592	iPhone/iPad Development	4 Credits
CIS 2593	Android Application Development	4 Credits
CIS 2594	Adv iPhone/iPad Application Development	3 Credits
CIS 2595	Advanced Android Application Development	4 Credits
CIS 2610	Network Security	3 Credits
CIS 2620	Exchange Server	3 Credits
CIS 2630	MS SQL Server Administration	3 Credits

<b>Course Number</b>	<b>Course Title</b>	<b>Credits</b>
CIS 2650	MS Sharepoint Portal	3 Credits
CIS 2710	Database Management	4 Credits
CIS 2720	Structured Query Language (SQL) I	3 Credits
CIS 2725	Enterprise SQL Application	3 Credits
CIS 2730	Enterprise Database Development	3 Credits
CIS 2770	Introduction to System Analysis & Design	3 Credits
CIS 2775	Information Technology Project Management	3 Credits
CIS 2790	Systems Analyst Simulation	3 Credits
CIS 2840	Experimental/Pilot Class	1-6 Credits
CIS 2860	Internship (Career & Technical Ed)yCoop Ed/Internship Occup	1-4 Credits
CIS 2865	Internship Advanced (Career & Tech Ed)	1-4 Credits