



Database Management

Computer Information Systems Typical Course Sequence | AAS Degree



	CORE / PROGRAM SPECIFIC			GENERAL EDUCATION	
1st Term	CIS100 Computer Careers Exploration A brief survey of various computer careers and an exploration of the MHCC CIS certificate/AAS degree.	CIS120 and 120L Computer Concepts I / Lab Computer technology and how technology is used in business, industry, and at home/ students learn how to use the common, Windows-based computer software productivity tools	CIS151 Network Fundamentals A comprehensive program designed to teach student networking and internetworking technology skills.	BA101 Intro to Business or any business management course	MTH65 Beginning Algebra or higher
2nd Term	CIS122 Computer Concepts III An introduction to programming.	CIS125SS Spreadsheets Emphasis will be on spreadsheet creation, editing, formatting, copying, deleting and formula specification, spreadsheet functions, font selection, shading, borders, editing and data entry techniques, formulas.	CIS125WP Word Processing Emphasis will be on word processing function such as saving, retrieving, formatting, printing, layout and editing, formatting and font selection on a line, paragraph, page, and/or document level.	CIS140 Intro to Operating Systems Introduces students to the history, terminology, functions, and uses of various operating systems.	CIS144 Problem Solving Methodologies Course material will include discussions of various stages of problem solving, thought processes, personal tendencies, team dynamics, documenting, testing and evaluating solutions.
3rd Term	CIS125DB Desktop Databases Emphasis will be on creating and populating databases; creating an application system built around a database, multiple tables and queries; database administration.	CIS125HTM HTML Explores the HTML foundation of webpage creation.	CIS140W Windows Operating Systems Overview to the Microsoft Windows operating system, with an emphasis of the role of being a desktop administrator.	CIS195 Web Development I Covers the fundamentals of creating well-designed, professional web sites and web pages.	SP111 Fundamentals of Public Speaking and WR121 English Composition
4th Term	CIS145A Computer Maintenance & Forensics I Examines common computer hardware/software problems and corrective processes and elementary computer forensics.	CIS244 Introduction to System Analysis Introduces technology professionals to strategic information systems in organizations.	CIS Electives	PSY201 or PSY101	
5th Term	CIS133JS JavaScript An introductory programming course that presents the fundamentals of creating dynamic HTML documents using JavaScript.	CIS133SQL Introduction to SQL User interaction with databases is accomplished using a "Structured Query Language" or SQL per the industry ANSI-SQL standard.	WE280CAD Cooperative Education Internship	CIS Elective	Health & PE Course
6th Term	CIS133XML Introduction to XML Provides an overview of XML (eXtensible Mark-up Language) and its use for web-based applications common to Internet web-sites.	CIS135DBM Database Modeling and Design Provides a foundation for supporting Microsoft Windows Server OS including the skills to configure, customize, optimize, integrate, and troubleshoot networks.	CIS297 Capstone Development Practicum Explores current technology issues, 'real world' information technology situations and intermediate to advanced areas of study related to information systems.	CIS Elective	

Computer Information Systems Typical Course Sequence | Certificate Program

1st Term	CIS100 Computer Careers Exploration	CIS125DB Desktop Databases** **CIS120 and 120L are pre-requisites for this course	CIS195 Web Development I	PSY201 or PSY101	
2nd Term	CIS122 Computer Concepts III	CIS125HTM HTML	CIS133JS JavaScript	CIS133SQL Introduction to SQL	CIS140 Intro to Operating Systems
3rd Term	CIS133XML Introduction to XML	CIS135DBM Database Modeling and Design	CIS244 Introduction to System Analysis	CIS297 Capstone Development Practicum	WR121

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This is a sample schedule and courses are subject to change.

People requiring accommodations due to disability should contact the Disability Services Office at 503-491-6923 or 503-491-7670 (TDD). Please call at least 2 weeks prior to event