



Network and Operating Systems

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	CIS145A Computer Maintenance & Forensics I Examines common computer hardware/software problems and corrective processes and elementary computer forensics.	CIS151 Network Fundamentals A comprehensive program designed to teach student networking and internet-working technology skills.	MTH065 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.	CIS140 Intro to Operating Systems Introduces students to the history, terminology, functions, and uses of various operating systems.	CIS152 Fundamentals of Routing Theory An introduction to routing technology, routing theory and router configuration.	
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.	CIS153 Intermediate Routing and Switching This course provides students with a deeper understanding of the advanced functionality of routers and switches.	CIS Elective	BA101 Intro to Business	Health & PE
4th Term	CIS140W Windows Operating Systems Overview to the Microsoft Windows operating system, with an emphasis of the role of being a desktop administrator.	CIS197HTM Web Authoring: HTML5 and CSS3 Explores the HTML foundation of webpage creation.	CIS244 Introduction to System Analysis Introduces technology professionals to strategic information systems in organizations.	CIS279S Windows Server OS Provides a foundation for supporting Microsoft Windows Server OS including the skills to configure, customize, optimize, integrate, and troubleshoot networks.	CIS288 WANs Theory and Technologies This course focuses on the Wide Area Network (WAN) technologies and network services required by converged applications in a complex network.
5th Term	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.	CIS279A Novell Systems Management Teaches students the skills needed to effectively manage the current Novell Server Operating System.	CIS284S Introduction to Computer Security Teaches students the skills needed to effectively manage the current Novell Server Operating System.	CIS Elective	WR121 English Composition
6th Term	CIS284NS Network Security Fundamentals Introduces students to the ever growing need for professionals trained in network security.	CIS297 Capstone Development Practicum Explores current technology issues, 'real world' information technology situations and intermediate to advanced areas of study related to information systems.	WE280CAD Cooperative Education Internship	HUM202 Age of Technology: Ethics in the Workplace or BA285 Leadership and Human Relations	

Computer Information Systems Typical Course Sequence | Certificate Program

1st Term	CIS120 and 120L Computer Concepts I / Lab	CIS151 Network Fundamentals	HUM202 Age of Technology: Ethics in the Workplace or BA285 Leadership and Human Relations	WR121 English Composition
2nd Term	CIS140 Intro to Operating Systems	CIS152 Fundamentals of Routing Theory	CIS284S Introduction to Network Security	MTH065 Beginning Algebra or higher
3rd Term	CIS140W Windows Operating Systems	CIS153 Intermediate Routing and Switching	CIS279S Windows Server OS	CIS284NS Network Security Fundamentals

MHCC Faculty Adviser
 Gary DeRoest: 503-491-7339 Room 2781 Gary.DeRoest@mhcc.edu
 Paul Morris: 503-491-7303 Room 2778 Paul.Morris@mhcc.edu



be | relevant

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