



Information Technology

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 | CIS225 Computer End-User Support I An introductory course in computer software tools to help manage requests for end-user support and resolve problems in a timely fashion. | CIS145B Computer Maintenance & Forensics II Examines intermediate computer hardware/software problems and corrective processes/procedures. | WE280CAD Cooperative Education Internship | Health & PE Course | |
| 6th Term | CIS145C Computer Maintenance & Forensics III An advanced level approach to electronic data forensics will include LiveCD operating system image files, use, and applications. | 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 | CIS120 and 120L Computer Concepts I / Lab | CIS144 Problem Solving Methodologies | CIS145A Computer Maintenance & Forensics I | MTH65 Beginning Algebra or higher |
| 2nd Term | CIS125DB Desktop Databases | CIS125WP Word Processing | CIS140 Intro to Operating Systems | CIS140W Windows Operating Systems | CIS225 Computer End-User Support I |
| 3rd Term | CIS125SS Spreadsheets | CIS244 Introduction to System Analysis | CIS297 Capstone Development Practicum | PSY201 or PSY101 | WR121 |

MHCC Faculty Adviser
Robert Buroker: 503-491-6019 Room 2779
Robert.Buroker@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