

COMPUTER INFORMATION SYSTEMS (CIS) - DEGREE

Associate of Applied Science Degree Program

Faculty Advisers

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The CIS degree prepares students for entry level computer careers in both technical and non-technical companies. Training in this program includes computer setup and support; IT support for small and medium-sized businesses in a mobile landscape; basic cybersecurity skills; and basic web skills including website design and mobile app development. Students planning to transfer to a four-year college should connect with their chosen transfer school as well as work with an MHCC CIS adviser.

Program Outcomes

At the completion of this program, students should be able to:

- Identify common hardware issues and apply solutions as appropriate.
- Participate in hands-on hardware repair projects.
- Analyze, develop, or repair common website issues.
- Create intermediate level mobile applications.
- Evaluate diverse customer technical issues and apply or direct to apply appropriate solutions.
- Critically analyze an organizations existing web and social media presence and recommend possible improvements.
- Communicate technical information to non-technical customers.

General education courses (such as math, writing, health, etc.) can be taken during any term, or before starting the program.

First Quarter		Credits
Fall		
CIS125WP	Word Processing ★	3
ISTM100A	Preparation For An Education in I.T. and Cybersecurity 1 ★	1
ISTM183C	Fundamentals of CyberSecurity	3
WR121Z	Composition I ★	4
MTH065 or MTH058	Beginning Algebra II ★ (or higher) or Quantitative Reasoning I	4-6
Credits		15-17
Second Quarter		
Winter		
CIS125SS	Spreadsheets ★	3
CIS225	Computer End-User Support I ★	4
ISTM100B	Preparation For An Education in I.T. and Cybersecurity 2 ★	1
ISTM133P	Introduction to Python ★	4

ISTM183A	Preparation for A+ Essentials	3
Elective course not already taken in curriculum with prefix BT, CIS, CS or ISTM; or BA131		3-4
Credits		18-19
Third Quarter		
Spring		
CIS125DB	Desktop Database ★	3
CIS197HTM	Web Authoring: HTML5 and CSS3 ★	3
ISTM100C	Preparation For An Education in I.T. and Cybersecurity 3 ★	1
ISTM140L	Preparation for Linux ★	4
ISTM183B	Preparation for A+ Practical Application ★	3
Elective course not already taken in curriculum with prefix BT, CIS, CS or ISTM; or BA131		3-4
Credits		17-18
Fourth Quarter		
Fall		
CIS195	Interface Design for Interactive Applications ★	3
CIS197CSP	Web Authoring: Client-Side Programming ★	3
CIS276	SQL	4
CIS279S or ISTM279A	Windows Server OS or Windows Server (Azure)	4
ISTM151N	Preparation for Network+	4
Credits		18
Fifth Quarter		
Winter		
CIS197WAA	Web Authoring: Applications	3
CIS284S	Preparation for Security+ ★	4
ISTM235MA	Mobile Apps 1: Introduction to iOS Mobile Applications Development	3
ISTM283A	Fundamentals of Disaster Recovery and Business Continuity ★	3
Health and Physical Education requirement (https://catalog.mhcc.edu/degree-certificate-requirements/aas/#health)		3
Credits		16
Sixth Quarter		
Spring		
Select a course or combination of courses from the following list to complete a minimum of 4 credits:		4
CIS297 or WE280CAA or WE280CAB or WE280CAC or WE280CAD	Capstone Project Development or Coop Ed-Computer Applications or Coop Ed-Computer Applications or Coop Ed-Computer Applications	
ISTM235MB	Mobile Apps 2: Intermediate iOS Mobile Applications Development	3
WR227Z	Technical Writing ★	4

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Human Relations requirement (<https://catalog.mhcc.edu/degree-certificate-requirements/aas/#human>) 3-4

Credits	14-15
Total Credits	98-103

¹ Students intending to transfer should take MTH111Z Precalculus I: Functions ★ or above, excluding MTH211 Fundamentals of Elementary Mathematics I, and consult with the institution they will be attending as well as work with a CIS faculty adviser.