

## Computer Information Systems Degree (CIS)

This program will prepare you for an entry-level position in the information technology field in areas such as web application development, e-commerce, networking administration, and desktop applications support. You will study widely-used office applications; learn programming languages to support website development, office applications, and e-commerce systems; and gain knowledge of network administration to support business networks and web servers.

Number	Suggested Course Order	Cr	Semester	Grade	Prerequisites/Notes
CIS109	Programming in Basic	3			MAT092, RDG100, or placement
	CIS Elective	3			<b>Electives:</b> CIS121, 141, 142, 224, 244, 130, 290, 292 See page 64 of the college catalog for suggested electives
CIS127	Computer Technologies	3			ENG100, RDG100, or placement
ENG101	English Composition I	3			ENG100, RDG100, or placement
CIS140	Microcomputer Networking Applications	3			MAT092, RDG100, or placement
CIS123	Microcomputer Database Applications	3			CIS127 or CIS120 or permission of instructor
	Social Science Elective	3			<b>Electives:</b> ANT, DSI, ECO, GEO, HIS, POL, PSY, SOC, SSC
ENG102	English Composition II	3			ENG101
MAT126	Topics in Mathematics <i>or</i> higher	3			MAT096 or placement
CIS102/143	Computer Service and Repair <i>or</i> PC Maintenance	1/3			Basic computer skills, MAT092, RDG100, or placement
	CIS Elective <i>or</i> BUS Elective <i>or</i> CGD Elective	3			<b>Note:</b> See above CIS Elective <b>Electives:</b> BUS108, BUS112, BUS113, BUS125, BUS211, BUS212, BUS220, BUS224 <b>Electives:</b> CGD
	CIS Elective	3			<b>Note:</b> See above CIS Elective
	CIS/CGD Elective	3			<b>Electives:</b> CGD; See above CIS Elective
	Science Elective	3/4			<b>Electives:</b> BIO, BTC, CHE, EAS, ENV, NRD NUT, PHY
	MKT/BUS/ACC/MGT Elective	3			<b>Electives:</b> MKT, BUS, ACC, MGT
CIS218	E-commerce Systems	3			24 CIS credits or permission of instructor
	CIS Elective	3			<b>Note:</b> See above CIS Elective
	Humanities Elective	3			<b>Electives:</b> ART, ASL, ENG, HUM, MUS, PHL, SPA, THE
PER126/130	Health, Fitness, & Wellness Elective	2/3			<b>Prerequisites:</b> MAT092, RDG100, or placement <b>Note:</b> PER130 is recommended for transfer
	MKT/BUS/ACC/MGT Elective	3			<b>Electives:</b> MKT, BUS, ACC, MGT
	General Elective	3			<b>Electives:</b> Any course (see page 64 for exceptions)
<b>Total: 60/64 credits</b>					

See page 96 of the college catalog for program competencies and technical standards.

**Campus/format:** This program can be completed during the day or evening at the Gardner Campus. Ninety-five percent of this program can be completed online.

**Helpful hints:** To be successful, students must spend additional time outside of class completing assignments. Access to a computer with the appropriate software is essential. MWCC provides computer access in various labs and in the library, as available.

**Career options:** Careers in the information technology fields including: programming, networking, web systems development, and software application support. A recent survey of graduates indicated employment as: software quality specialists, programmer, programmer/business analyst, MIS staff, and NT administrator.

**Transfer options:** Although this program prepares students for entry-level positions, students also transfer to four-year colleges and universities. Transfer agreements exist with Charter Oak State College and the University of Phoenix.

Visit MWCC's transfer planning services website: <http://transer.mwcc.edu>

3 Plus ONE eligible—go to: [www.mwcc.edu/3PlusONE](http://www.mwcc.edu/3PlusONE)

**Special requirements:** Students are required to complete the CIS courses as listed. Prior to enrolling in each course, students must ensure they meet the course prerequisites. The e-commerce course serves as the program's final, or capstone course. The college's adaptive computer lab, providing assistive technology for students with disabilities, is available. Technical standards must be met with or without accommodations.

**Earning potential:** \$32,110 to \$53,640 per year.