

Computer Information Systems Degree (CIS)

This degree will prepare students for the information technology field especially related to IT Support Specialist and Helpdesk entry positions. Students will utilize software applications, networks, and web servers; query database applications to locate, evaluate, and use data; create web pages and web graphics; create written documentation and oral presentations; configure, monitor, secure, and administer network resources; as well as demonstrate technical skills and ability in analyzing, assessing, diagnosing, and trouble-shooting hardware, software, network, and other desktop issues. Additionally, students will gain knowledge related to a broad overview of information security.

Number	Suggested Course Order	Cr	Semester	Grade	Prerequisites/Notes
CIS109	Programming in Basic	3			MAT092, RDG100, or placement
	Social Science Elective	3			Electives: ANT, ECO, GEO, HIS, POL, PSY, SOC, SSC
CIS127	Computer Technologies	3			ENG100, RDG100, FYE101, or placement
ENG101	English Composition I	3			ENG100, RDG100, FYE101, or placement
CIS140	Microcomputer Networking Applications	3			MAT092, RDG100, or placement
CIS123	Microcomputer Database Management	3			CIS127 or CIS120, MAT092 or placement or permission of division dean
	Professional Elective	3			Electives: BUS112, BUS125, ENG106 Note: THE113 recommended for the IT Support/Helpdesk field
ENG102	English Composition II	3			ENG101
MAT126	Topics in Mathematics (or higher)	3			MAT096 or placement
CIS143	Computer Service and Repair	3			MAT092, RDG100, or placement
	CIS Elective	3			Preferred IT Support/Helpdesk Electives: CIS121, 142, 144, 224, 244 Recommended Programming or Transfer Electives: CIS130, 290, 292
	CIS Elective	3			Electives: See above CIS Electives Note: CED203 recommended
	CIS/CGD Elective	3			Electives: See above CIS Electives; any CGD course
	Science Elective	3/4			Electives: BIO, BTC, CHE, EAS, EGM, NRD, PHY
	MKT/BUS/ACC/MGT Elective	3			Electives: MKT, BUS, ACC, MGT
CIS219	Principles of Information Security	3			Completion of 24 CIS credits or permission of division dean.
	CIS Elective	3			Note: See above CIS Elective
	Humanities Elective	3			Electives: ART, ASL, ENG, FRE, HUM, MUS, PHL, SPA, THE
	Health Elective	2/3			Electives: BIO101, BIO103, BIO112, BIO230; CHC101, CHC108, CHC220, EXS201, PER126, PER127, PER130
	General Elective	3			Electives: Any course (see page 66 for exceptions)
Total:59/61 credits					

See page 103 of the college catalog for program competencies and technical standards.

Campus/format: A majority of this program can be completed online or during the day at the Gardner Campus.

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.

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 services website:
<http://transer.mwcc.edu>.

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 Principles of Information Security 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.

3 Plus ONE eligible—go to:
www.mwcc.edu/3PlusONE.

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.

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