RCTC PROGRAM PLAN

COMPUTER INFORMATION SYSTEMS

Associate of Science

I	MINNESOTA TRANSFER CURRICULUM (MnTC)/ GENERAL EDUCATION REQUIREMENTS
	GOAL 1: WRITTEN AND ORAL COMMUNICATION
	GOAL 3: NATURAL SCIENCES
	GOAL 4: MATHEMATICS/LOGIAL REASONING
	GOAL 5: HISTORY AND THE SOCIAL AND BEHAVIORIAL SCIENCES11 CR ECON 2214, Principles of Microeconomics, 4 cr ECON 2215, Principles of Macroeconomics, 4 cr Remaining credits from MnTC Goal 5 courses (other than ECON), 3 cr
	GOAL 6: HUMANITIES - THE ARTS, LITERATURE AND PHILOSOPHY
	Recommended: PHIL 1150, Computing and AI Ethics, 3 cr
п.	PROGRAM CORE REQUIREMENTS





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PROGRAM OUTCOMES:

Upon completion of the Computer Information Systems program at RCTC, students will achieve the following outcomes:

- Apply mathematical foundations, algorithmic principles, and computer science concepts to analyze and design software solutions.
- Design, implement and validate software using modern Integrated Development Environments.
- Apply current design techniques including the effective application of data structures, • recursion, and object-oriented technologies for software solutions.
- Evaluate the efficiency of software algorithm using Big O notation. •
- Develop logical resonating and problem-solving skills. •
- Work as part of a team to analyze, design and implement software solutions.
- Define basic computer terminology and identify ethical issues related to the use of computers.
- Create and manipulate word processing documents, spreadsheets, and databases. •

Revised: 03/20/2025 Implementation: Fall 2025

