## RCTC PROGRAM PLAN

## **COMPUTER INFORMATION SYSTEMS**

Associate of Science

ı	MINNESOTA TRANSFER CURRICULUM (MnTC)/ GENERAL EDUCATION REQUIREMENTS
	GOAL 1: WRITTEN AND ORAL COMMUNICATION
	GOAL 3: NATURAL SCIENCES
	GOAL 4: MATHEMATICS/LOGIAL REASONING
	<b>GOAL 5: HISTORY AND THE SOCIAL AND BEHAVIORIAL SCIENCES</b>
	GOAL 6: HUMANITIES - THE ARTS, LITERATURE AND PHILOSOPHY
II.	PROGRAM CORE REQUIREMENTS
TOTAL60 CREDITS	

## **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 Java in conjunction with graphical user interface.





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- 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: 11/13/2018

Implementation: Spring 2019



