

# RCTC PROGRAM PLAN

## INFORMATION TECHNOLOGY

Associate in Applied Science

### I. MINNESOTA TRANSFER CURRICULUM (MnTC)/ GENERAL EDUCATION REQUIREMENTS.....20 CREDITS

#### GOAL 1: WRITTEN AND ORAL COMMUNICATION .....8 CR

ENGL 1117, Reading and Writing Critically I, 4 cr

ENGL 1118, Reading and Writing Critically II, 4 cr

#### GOAL 4: MATH.....3 CR

MATH 1115, College Algebra, 3 cr

#### GOAL 5: HISTORY AND THE SOCIAL AND BEHAVIORAL SCIENCES .....6 CR

GEOG 1614, Human Geography, 3 cr

ECON 1101, Introduction to Economics, 3 cr

#### GOAL 9: ETHICAL AND CIVIC RESPONSIBILITY.....3 CR

POLS 1615, Introduction to American Government, 3cr

### II. PROGRAM CORE REQUIREMENTS.....28 CREDITS

COMP 1140, Into to Database & SQL, 3 cr

COMP 1150, Computer Science Concepts, 3 cr

COMP 1741, JavaScript, 3 cr

COMP 1751, Mobile Application Development, 3 cr

COMP 2243, Programming & Problem Solving, 4 cr

COMP 2247, Algorithms and Data Structure, 4 cr

DSCI 2253, Software Applications for Analyzing Data, 3 cr

DSCI 2257, Programming Libraries for Analyzing Data, 3 cr

COMP 2501, Capstone Course, 2 cr

### III. PROGRAM ELECTIVE COURSES.....12 CREDITS

Select courses from ACCT, ART, BUS, COMM, MATH, PHIL

For recommended electives see next page.

**TOTAL ..... 60 CREDITS**

### **PROGRAM OUTCOMES:**

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

- Apply current technical practices in core information technologies.
- Identify effective solutions for organizations or individuals.
- Evaluate current and emerging technologies.
- Demonstrate independent problem-solving skills.

### **RECOMMENDED ELECTIVES:**

ACCT 2217, Principles of Accounting I, 4 cr  
ART 1120, Computer as Creative Media (MnTC 6), 3 cr  
BUS 2240, Project Management, 3 cr  
BUS 1144, Entrepreneurship, 3 cr  
BUS 2143, Social Media Management Strategies, 3 cr  
BUS 2150, Global Business, 3 cr  
BUS 2202, Consumer Promotion and Digital Marketing, 3 cr  
COMM 1000, Introduction to Workplace Communication, 3 cr  
COMM 1114, Fundamentals of Public Speaking, 3 cr  
COMM 1130, Interpersonal Communication (MnTC 1, 7), 3 cr  
COMM 1337, Social Media (MnTC 5), 3 cr  
COMM 2100, Intercultural Communication (MnTC 1, 8), 3 cr  
COMM 2130, Team/Small Group Communication (MnTC 1), 3 cr  
COMP 2275, Computer Architecture, 4 cr  
MATH 1117, Pre-Calculus (MnTC 4), 4 cr  
MATH 2208, Fundamentals of Statistics (MnTC 4), 4 cr  
MATH 2218, Discrete Mathematics, 4 cr  
PHIL 1125, Ethics (MnTC 6, 9), 3 cr  
PHIL 2130, Business Ethics (MnTC 6, 9), 3 cr

Revised: 10/10/2020

Implementation: Fall 2021