

# COMPUTER INFORMATION SYSTEMS

## Associate in Science Degree

### I. GENERAL EDUCATION REQUIREMENTS.....43 Credits

Courses must be selected from those approved to satisfy the competencies of Minnesota Transfer Curriculum (MNTC) Goals 1, 3, 4, 5, 6. Consult the RCTC catalog listings to determine the specific courses that apply to the areas below.

#### Goal 1: WRITTEN AND ORAL COMMUNICATION (CM).....11 Credits

ENGL 1117\*, 1118\*, Reading & Writing Critically I & II, 8 Cr  
SPCH 1114, Fundamentals of Public Speaking **OR** SPCH 1130, Interpersonal Communication, 3 Cr

#### Goal 2: CRITICAL THINKING (CT) MAY BE MET BY ANY COURSE IN MNTC 1-10 GOALS

#### Goal 3: NATURAL SCIENCES (NS).....6 Credits

Choose two different areas with lab, from the following four areas:  
Biology, Chemistry, Earth Science or Physics.

#### Goal 4: MATHEMATICS/LOGICAL REASONING (MA).....11 Credits

MATH 2218, Discrete Mathematics, 4 Cr  
MATH 1119, Applied Calculus for Business & Economics, 3 Cr  
MATH 2208, Fundamentals of Statistics, 4 Cr

#### Goal 5: HISTORY AND the SOCIAL AND BEHAVIORAL SCIENCES (SS).....6 Credits

ECON 2214, Principles of Microeconomics, 4 Cr

#### **OR**

ECON 2215, Principles of Macroeconomics, 4 Cr

Choose a second course from: Anthropology\*, Geography\*, History\*, Political Science, Psychology\*, Sociology\*

#### Goal 6: HUMANITIES – the ARTS, LITERATURE, and PHILOSOPHY (HA).....9 Credits

Choose from two different areas: Art, English Literature\*, Foreign Culture, Humanities\*, Journalism, Music, Philosophy\*, Speech/Theatre.

Honors equivalent available.

### II. HEALTH AND HUMAN PERFORMANCE.....2 Credits

Any combination of Health courses (numbered 1102, 1109, 1110, 1111, 1114, 1132, 1135, and 2126) and/or Physical Education Courses (numbered 1100-1199).  
1 credit may be from Varsity Athletics, (PHED 1210 – 1236; 2210 – 2236)

### III. COMPUTER CORE REQUIREMENTS:.....19 Credits

COMP 1150, Computer Science Concepts, 3 cr  
COMP 2243, Programming & Problem Solving, 4 cr  
COMP 2247, Algorithms and Data Structure, 4 cr

**NOTE: Students are encouraged to begin taking WSU Computer Science courses concurrently after completing the above core requirements**

ACCT 2217, Financial Accounting, 4 cr  
ACCT 2218, Managerial Accounting, 4 cr

### TOTAL CREDITS.....64 Credits

**NOTE: The award of this A.S. degree waives WSU University Studies requirements except for the Flag requirements (See WSU Catalog).**

Implementation: Fall 2006

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**For more information contact:** David Atwood

Office: MH443; Phone: 285-7524

e-mail: [david.atwood@roch.edu](mailto:david.atwood@roch.edu)

Or find us on the internet at [www.roch.edu/rctc](http://www.roch.edu/rctc)

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