

COMPUTER SCIENCE

Associate in Science Degree

I. GENERAL EDUCATION REQUIREMENTS.....40 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 Speech **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).....3 Credits

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

Goal 4: MATHEMATICS/LOGICAL REASONING (MA).....14 Credits

MATH 2218, Discrete Mathematics, 4 Cr
MATH 1127, Calculus I, 5 Cr
MATH 1128, Calculus II, 5 Cr

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

Choose from two different areas: Anthropology*, Economics*, Geography*, History*, Political Science, Psychology*, Sociology*

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

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

II. HEALTH AND HUMAN PERFORMANCE.....4 Credits

Any combination of Health courses (numbered 1102, 1110, 1111, 1114, 1132, 1135, 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:.....11 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 transferring to WSU are encouraged to begin taking WSU Computer Science courses concurrently after completing these core requirements.

OPEN ELECTIVES.....9 Credits

TOTAL CREDITS.....64 Credits

Implementation: Spring 2008
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