

COMPUTER INFORMATION SYSTEMS AS

Purpose: The Computer Information Systems AS offers students a powerful Computer Science option with an emphasis in Accounting and Economics: the opportunity to complete an Associate of Science degree with course credits that are articulated with Winona State University Rochester's Computer Information System bachelor's degree. The curriculum has been specifically designed so that students completing this degree and transferring to Winona State University Rochester will enter with junior-year status with courses applying to the Computer Information System bachelor's degree program.

Award

Computer Information Systems AS Degree.....	60 credits
Computer Science Curriculum	23 credits
MnTC Curriculum/General Education	37 credits

Program course sequence begins in the Fall.

General Education courses may be taken in any semester. Contact your Advisor.

RECOMMENDED FULL-TIME COURSE SEQUENCE			
<i>Not all courses are scheduled every semester. See course schedule: https://eservices.minnstate.edu/registration/search/basic.html?campusid=306.</i>			
Semester 1 COMP 1150 Computer Science Concepts 3 cr ENGL 1117 Reading and Writing Critically I (Goal 1) 4 cr ECON 2214 Principles of Microeconomics 4 cr MnTC Goal 3 (with Lab) 3 cr <div style="text-align: right; padding-top: 10px;">Total Credits 14</div>		Semester 2 COMP 2243 Programming and Problem Solving 4 cr MATH 1119 Applied Calculus 3 cr Or MATH 1127 Calculus I 5 cr COMM 1114 Fundamentals of Public Speaking 3 cr ENGL 1118 Reading & Writing Critically II 4 cr <div style="text-align: right; padding-top: 10px;">Total Credits 14/16</div>	
Semester 3 COMP 2247 Algorithms and Data Structures 4 cr MATH 2218 Discrete Mathematics 4 cr ECON 2215 Principles of Macroeconomics 4 cr MnTC Goal 6 3 cr <div style="text-align: right; padding-top: 10px;">Total Credits 15</div>		Semester 4 ACCT 2217 Principles of Accounting I 4 cr MATH 2350 Introduction to Mathematical Statistics (Offered Spring Semester Only) 4 cr MnTC Goal 3 (with Lab) 3 cr MnTC Goal 6 3 cr MnTC Goal 5 (other than ECON) 3 cr <div style="text-align: right; padding-top: 10px;">Total Credits 17</div>	
RECOMMENDED PART-TIME COURSE SEQUENCE			
<i>Not all courses are scheduled every semester. See course schedule: https://eservices.minnstate.edu/registration/search/basic.html?campusid=306.</i>			
Semester 1 ENGL 1117 Reading and Writing Critically I 4 cr ECON 2214 Principles of Microeconomics 4 cr <div style="text-align: right; padding-top: 10px;">Total Credits 8</div>		Semester 2 COMP 1150 Computer Science Concepts 3 cr MnTC (Goal 3) Natural Sciences (with Lab) 3 cr <div style="text-align: right; padding-top: 10px;">Total Credits 6</div>	
Semester 3 COMP 2243 Programming and Problem Solving 4 cr ENGL 1118 Reading & Writing Critically II 4 cr <div style="text-align: right; padding-top: 10px;">Total Credits 8</div>		Semester 4 MATH 1119 Applied Calculus 3 cr Or MATH 1127 Calculus I 5 cr COMM 1114 Fundamentals of Public Speaking 3 cr <div style="text-align: right; padding-top: 10px;">Total Credits 6/8</div>	

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Semester 5 COMP 2247 Algorithms and Data Structures MnTC (Goal 6) The Humanities and Fine Arts <p style="text-align: right;">Total Credits</p>	4 cr 3 cr 7	Semester 6 MATH 2350 Introduction to Mathematical Statistics (Offered Spring Semester Only) ECON 2215 Principles of Macroeconomics <p style="text-align: right;">Total Credits</p>	4 cr 4 cr 8
Semester 7 ACCT 2217 Principles of Accounting I MATH 2218 Discrete Mathematics <p style="text-align: right;">Total Credits</p>	4 cr 4 cr 8	Semester 8 MnTC Goal 3 (with Lab) MnTC Goal 6 MnTC Goal 5 (other than ECON) <p style="text-align: right;">Total Credits</p>	3 cr 3 cr 3 cr 9

Course descriptions can be found at: <https://www.rctc.edu/academics/courses/course-descriptions>.