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

Not all courses are scheduled every semester. See course schedule: https://eservices.minnstate.edu/registration/search/basic.html?campusid=306.

Semester 1		Semester 2	
COMP 1150 Computer Science Concepts	3 cr	COMP 2243 Programming and Problem Solving	4 cr
ENGL 1117 Reading and Writing Critically I (Goal 1)	4 cr	MATH 1119 Applied Calculus	3 cr
ECON 2214 Principles of Microeconomics	4 cr	Or	or
MnTC Goal 3 (with Lab)	3 cr	MATH 1127 Calculus I	5 cr
		COMM 1114 Fundamentals of Public Speaking	3 cr
		ENGL 1118 Reading & Writing Critically II	4 cr
Total Credits	**14**	**Total Credits**	**14/16**
Semester 3		Semester 4	
COMP 2247 Algorithms and Data Structures	4 cr	ACCT 2217 Principles of Accounting I	4 cr
MATH 2218 Discrete Mathematics	4 cr	MATH 2350 Introduction to Mathematical	
ECON 2215 Principles of Macroeconomics	4 cr	Statistics (Offered Spring Semester Only)	4 cr
MnTC Goal 6	3 cr	MnTC Goal 3 (with Lab)	3 cr
		MnTC Goal 6	3 cr
		MnTC Goal 5 (other than ECON)	3 cr
Total Credits	**15**	**Total Credits**	**17**

RECOMMENDED PART-TIME COURSE SEQUENCE

Not all courses are scheduled every semester. See course schedule: https://eservices.minnstate.edu/registration/search/basic.html?campusid=306.

Semester 1		Semester 2	
ENGL 1117 Reading and Writing Critically I	4 cr	COMP 1150 Computer Science Concepts	3 cr
ECON 2214 Principles of Microeconomics	4 cr	MnTC (Goal 3) Natural Sciences (with Lab)	3 cr
Total Credits	**8**	**Total Credits**	**6**
Semester 3		Semester 4	
COMP 2243 Programming and Problem Solving	4 cr	MATH 1119 Applied Calculus	3 cr
ENGL 1118 Reading & Writing Critically II	4 cr	Or	or
		MATH 1127 Calculus I	5 cr
		COMM 1114 Fundamentals of Public Speaking	3 cr
Total Credits	**8**	**Total Credits**	**6/8**

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ROCHESTER
COMMUNITY AND TECHNICAL COLLEGE

MINNESOTA STATE

Semester 5		Semester 6	
COMP 2247 Algorithms and Data Structures	4 cr	MATH 2350 Introduction to Mathematical Statistics	4 cr
MnTC (Goal 6) The Humanities and Fine Arts	3 cr	(Offered Spring Semester Only)	
		ECON 2215 Principles of Macroeconomics	4 cr
Total Credits	**7**	**Total Credits**	**8**
Semester 7		**Semester 8**	
ACCT 2217 Principles of Accounting I	4 cr	MnTC Goal 3 (with Lab)	3 cr
MATH 2218 Discrete Mathematics	4 cr	MnTC Goal 6	3 cr
		MnTC Goal 5 (other than ECON)	3 cr
Total Credits	**8**	**Total Credits**	**9**