

INFORMATION TECHNOLOGY AAS

Purpose: The Information Technology AAS offers students an emerging Computer Science option with an emphasis in Data Science. This program prepares students to work in information technology. Students will engage in activities and learn how to select appropriate domains for data ingestion, develop solutions for cleaning data and requesting data from these domains, and integrate these solutions to identify visualization opportunities incorporating dashboarding techniques. The curriculum has been specifically designed so that students completing this degree will be ready for a job in an information technology field or transfer into a bachelor's program at a Minnesota University.

Award

Information Technology A.A.S. Degree.....	60 credits total
Information Technology curriculum	28 credits
Program Elective Courses	12 credits
MnTC curriculum/General Education	20 credits

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		Semester 2	
COMP 1140 Intro to Database & SQL	3 cr	COMP 2243 Programming & Problem Solving	4 cr
COMP 1150 Computer Science Concepts	3 cr	COMP 1741 JavaScript	3 cr
MATH 1115 College Algebra (Goal 4)	3 cr	ENGL 1118 Reading and Writing Critically II (Goal 1)	4 cr
ENGL 1117 Reading and Writing Critically (Goal 1)	4 cr	Program Elective	3 cr
Program Elective	3 cr		
Total Credits	16	Total Credits	14
Semester 3		Semester 4	
COMP 2247 Algorithms and Data Structure	4 cr	DSCI 2257 Programming Libraries for Analyzing Data	3 cr
COMP 1751 Mobile Application Development	3 cr	COMP 2501 Capstone Course	2 cr
DSCI 2253 Applications for Analyzing Data	3 cr	ECON 1101 Introduction to Economics (Goal 5)	3 cr
GEOG 1614 Human Geography (Goal 5)	3 cr	POLS 1615 Introduction to American Government (Goal 5)	3 cr
Program Elective	3 cr	Program Elective	3 cr
Total Credits	16	Total Credits	14

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		Semester 2	
COMP 1140 Intro to Database & SQL	3 cr	COMP 1150 Computer Science Concepts	3 cr
ENGL 1117 Reading and Writing Critically (Goal 1)	4 cr	ENGL 1118 Reading and Writing Critically II (Goal 1)	4 cr
Total Credits	7	Total Credits	7
Semester 3		Semester 4	
COMP 1741 JavaScript	3 cr	COMP 2243 Programming & Problem Solving	4 cr
MATH 1115 College Algebra (Goal 4)	3 cr	Program Elective	3 cr
Program Elective	3 cr		
Total Credits	9	Total Credits	7

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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 5 COMP 2247 Algorithms and Data Structure GEOG 1614 Human Geography (Goal 5)	4 cr 3 cr	Semester 6 COMP 1751 Mobile Application Development DSCI 2253 Applications for Analyzing Data Program Elective	3 cr 3 cr 3 cr
Total Credits	7	Total Credits	9
Semester 7 DSCI 2257 Programming Libraries for Analyzing Data ECON 1101 Introduction to Economics (Goal 5)	3 cr 3 cr	Semester 8 COMP 2501 Capstone Course POLS 1615 Introduction to American Government (Goal 9) Program Elective	2 cr 3 cr 3 cr
Total Credits	6	Total Credits	8