

Computer Science Transfer Pathway Associate in Science



Semester 1

Course Number	Course Name	Credits	Milestone	Completed
CSCI 1130	Introduction to Programming in Java	4	Yes	<input type="checkbox"/>
CSCI 1040	Fundamentals of Structured Query Language (SQL)	3	Yes	<input type="checkbox"/>
COMM 1010 or COMM 1210	Fundamentals of Public Speaking or Small Group Communication	3		<input type="checkbox"/>
ENGL 1200‡/1201	Gateway College Writing/College Writing I	4		<input type="checkbox"/>

Total Credits: 14

Semester 2

Course Number	Course Name	Credits	Milestone	Completed
CSCI 2001	Object-Oriented Programming (CS1)	4	Yes	<input type="checkbox"/>
CSCI 2010	Discrete Mathematical Structures	4		<input type="checkbox"/>
ENGL 1202	College Writing II	2		<input type="checkbox"/>
MATH 1221	Calculus I	5		<input type="checkbox"/>

Total Credits: 15

Semester 3

Course Number	Course Name	Credits	Milestone	Completed
CSCI 2002	Data Structures and Algorithms (CS2)	4	Yes	<input type="checkbox"/>
CSCI 2020* [†]	Computer Architecture	4	Yes	<input type="checkbox"/>
BIOL 1120 or GEOG 1010	Human Biology or Physical Geography	3		<input type="checkbox"/>
Program Electives	Choose course from program electives in helpful hints	4		<input type="checkbox"/>

Total Credits: 15

Semester 4

Course Number	Course Name	Credits	Milestone	Completed
CSCI 2030	Database Modeling and Design	4		<input type="checkbox"/>
MnTC Goal 6	Goal Area 6 (Humanities and Fine Arts)	3		<input type="checkbox"/>
ECON 1060 or ECON 1070 or PSYC 1150	Principles of Macroeconomics or Principles of Microeconomics or General Psychology	3		<input type="checkbox"/>
Program Electives	Choose course from program electives in helpful hints	3		<input type="checkbox"/>
MnTC Elective	Additional goal area credits (goals 1 to 6)	3		<input type="checkbox"/>

Total Credits: 16



Helpful Hints

Semester 1: Add in math to prepare for calculus if needed.

Program Electives (7 credits total):
CSCI 1020, 1025, 1030, 1035, 1050, 1120, 1150, 1180, 1990, 2011, 2050, 2060, 2100, 2400, 2500

-Talk with your advisor (early) where you plan to transfer as the transfer requirements may be very different for each university.

-If planning on transferring to U of M, you **MUST** speak to your advisor to plan your best path.



Disclaimer: This roadmap represents one possible pathway through the program, so please make an appointment with your Academic Advisor to create an education plan that is customized to meet your needs. This information subject to change.

* Leaf/Dagger (†) means the class is only offered Fall semester. * Flower/Asterisk (*) means the class is only offered Spring Semester.
Double Dagger (‡) means the course has a corequisite that must be taken at the same time