# Computer Science Transfer Pathway Associate of Science



Semester 1				
Course Number	Course Name	Credits	Milestone	Completed
CSCI 1130	Introduction to Programming in Java	4	Yes	
ENGL 1200‡ /1201	Gateway College Writing/College Writing I	4	Yes	

Total	<b>Credits:</b>	8

Semester 2				
Course Number	Course Name	Credits	Milestone	Completed
CSCI 1040	Fundamentals of Structured Query Language (SQL)	3	Yes	
ENGL 1202	College Writing II	2		
Program Electives	Choose course from program electives in helpful hints	4		

#### Total Credits: 9

Semester 3				
Course Number	Course Name	Credits	Milestone	Completed
CSCI 2001	Object-Oriented Programing (CS1)	4	Yes	
COMM 1010 or COMM 1210	Fundamentals of Public Speaking <b>or</b> Small Group Communication	3		

### Total Credits: 7

Semester 4				
Course Number	Course Name	Credits	Milestone	Completed
MATH 1221	Calculus I	5	Yes	
CSCI 2002	Data Structures and Algorithms (CS2)	4		

# Total Credits: 9

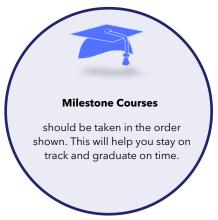
Semester 5				
Course Number	Course Name	Credits	Milestone	Completed
MnTC Goal 6	Goal Area 6 (Humanities and Fine Arts)	3		
CSCI 2020†*	Computer Architecture	4		

Total Credits:

(Semester 6 continues on the next page)



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## **Helpful Hints**

- ‡ ENGL0990 must be at the same time as ENGL1200
- -Add math in earlier if needed to get to calculus

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.

Semester 6				
Course Number	Course Name	Credits	Milestone	Completed
CSCI 2030	Database Modeling and Design	4	Yes	
BIOL 1120 or GEOG 1010	Human Biology <b>or</b> Physical Geography	3		

Total Credits: 7

Semester 7				
Course Number	Course Name	Credits	Milestone	Completed
CSCI 2010	Discrete Mathematical Structures	4		
ECON 1060 or ECON 1070 or PSYC 1150	Principles of Macroeconomics <b>or</b> Principles of Microeconomics <b>or</b> General Psychology	3		

Total Credits:

Semester 8				
Course Number	Course Name	Credits	Milestone	Completed
Program Elective	Choose course from program electives in helpful hints	3		
MnTC Elective	Additional goal area credits (goals 1 to 6)	3		

Total Credits: 6





**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