Computer Science Transfer Pathway Associate in Science

START HERE

Semester 1

Course Number	Course Name	Credits	Milestone	Completed
College Writing I	Pick one: ENGL 1200‡ or 1201	4-5		☐
CSCI 1130	Introduction to Programming in Java (see helpful hints)	4	Yes	
CSCI 1040	Fundamentals of Structured Query Language (SQL)	3	Yes	☐
COMM 1010 or COMM 1210	Fundamentals of Public Speaking or Small Group Communication	3		☐
	Total Credits:	**14**		

Semester 2

Course Number	Course Name	Credits	Milestone	Completed
CSCI 2001	Object-Oriented Programing (CS1)	4	Yes	☐
CSCI 2010	Discrete Mathematical Structures	4		☐
College Writing II	Pick one: ENGL 1202 or 1203‡	2-3		☐
MATH 1221	Calculus I	5		☐
	Total Credits:	**15**		

Semester 3

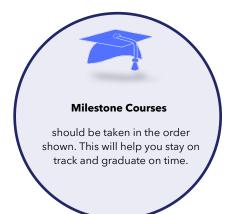| Course Number	Course Name	Credits	Milestone	Completed
CSCI 2002	Data Structures and Algorithms (CS2)	4	Yes	☐
CSCI 2020 †✱	Computer Architecture	4	Yes	☐
BIOL 1120 or GEOG 1010	Human Biology or Physical Geography	3		☐
Program Electives	Choose course from program electives in helpful hints	4		☐
	Total Credits:	**15**		

Semester 4

Course Number	Course Name	Credits	Milestone	Completed
CSCI 2030	Database Modeling and Design (See helpful hints)	4		☐
MnTC Goal 6	Goal Area 6 (Humanities and Fine Arts)	3		☐
ECON 1060 or ECON 1070 or PSYC 1150	Principles of Macroeconomics or Principles of Microeconomics or General Psychology	3		☐
Program Electives	Choose course from program electives in helpful hints	3		☐
MnTC Elective	Additional goal area credits (goals 1 to 6)	3		☐
	Total Credits:	**16**		

Program Credit Total: 60

FINISHED

Milestone Courses

should be taken in the order shown. This will help you stay on track and graduate on time.

Helpful Hints

‡ ENGL 1200 corequisite ‡ENGL 1001– College Writing I Workshop

‡ENGL 1203 corequisite ‡ENGL 1002– College Writing II Workshop

- Semester 1: Add in additional math classes if needed before in order to take calculus one.

-Semester 1: CSCI 1130 must have a College Algebra (MATH 1150) placement, College Level Reading & Writing. See Advisor for questions.

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) about where you plan to transfer as the transfer requirements may be very different for each university.

-If you do not place into Calc I (MATH 1221), you will need to complete additional sequence of math courses

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

-CSCI 2030 has a pre-requisite of SQL (CSCI 1040)

⚠️ **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 is 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.

Effective 10/4/24 AT