



# TRANSFER GUIDE

## Inver Hills Community College to Concordia University, St. Paul Bachelor of Science in Computer Science (Adult Undergraduate, Online)



**Step 1:** Complete the Computer Science Transfer Pathway AS degree at Inver Hills Community College and the following Computer Science major courses (60 cr):

<b>Computer Science Majors may complete the following requirements at Inver Hills Community College</b> <i>Students in this program may choose to complete up to half of CSP's 55 credit Computer Science BS major at Inver Hills Community College. Prerequisites are not included in this total.*</i>		
<b>Program courses that can be completed at Inver Hills Community College</b>	<b>Credit</b>	<b>How the course transfers to Concordia University, St. Paul with successful completion at IHCC*</b>
MATH 1103 Introduction to Statistics	4	MAT 110 Intro to Probability and Statistics ( <i>prerequisite</i> )
Choose one: MATH 1133 Calculus I or CS 2350 Discrete Structures of Computer Science	5 4	Choose one: MAT 135 Calculus I or CSC 175 Math for Computer Science
CS 1110 Computer Science I with Java and CS 1119 Computer Programming with C++ <i>Must complete both CS 1110 and CS 1119 at IHCC for credit at CSP for CSC 115 and CSC 222</i>	3 4	CSC 115 Introduction to Computer Science and CSC 222 Introductory Programming with Java <i>Must complete both CS 1110 and CS 1119 at IHCC for credit at CSP for CSC 115 and CSC 222</i>
CS 2200 Computer System Architecture	4	CSC 310 Computer Architecture and Operating Systems
CS 2300 Algorithms and Data Structures	4	CSC 420 Data Structures and Algorithms



**Step 2:** Complete the remaining general education requirements (MnTC Goal Areas) not met by an AS or AAS degree and any remaining electives through IHCC or CSP\* (19 cr)



**Step 3:** Complete the following minimum requirements\* at Concordia University:

<b>Concordia University, St. Paul BS in Computer Science Course Requirements</b>	<b>Credits</b>
CSC 135 Modern Web Design	4
MAT 220 Discrete Mathematics	3
CSC 230 Database Design	4
CSC 322 Object Oriented Programming in Java	4
CSC 235 Server-Side Development	4
CSC 330 Language Design and Implementation	4
CSC 422 Software Engineering	4
CSC 450 Computer Science Capstone	4
CSC 315 Mobile App Dev or CSC 435 Advanced Web Application Dev (Choose one)	4
<b>Required General Education and General Elective Credits to complete the BS in Computer Science</b>	
Theology: 2 courses, 3 credits each. Must be completed at CSP	6
<b>Minimum Total Credits to complete at CSP</b>	<b>41</b>
<i>*see <a href="http://www.csp.edu/transfer">www.csp.edu/transfer</a> for important transfer policies</i>	

Approved 04-2020, OA/GS