

## Rochester Community and Technical 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 Rochester Community and Technical College and the following Computer Science major courses (60 cr):

<b>Computer Science Majors may complete the following requirements at RCTC</b> <i>Students in this program may choose to complete up to half of CSP's 55 credit Computer Science BS major at Rochester Community and Technical College. Prerequisites are not included in this total.*</i>		
Program courses that can be completed at Rochester Community and Technical College	Credit	How the course transfers to Concordia University, St. Paul with successful completion at RCTC*
MATH 2208 Fundamentals of Statistics	4	MAT 110 Intro to Probability and Statistics ( <i>prerequisite</i> )
MATH 1127 Calculus I	5	MAT 135 Calculus I
COMP 2243 Programming and Problem Solving	4	CSC 115 Introduction to Computer Science
COMP 1741 Javascript	3	CSC 135 Modern Web Design
COMP 1140 Introduction to Database and SQL	3	CSC 230 Database Design
COMP 2275 Computer Architecture	4	CSC 310 Computer Architecture and Operating Systems
COMP 1751 Mobile Application Development	3	CSC 315 Mobile App Development
COMP 2247 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 RCTC or CSP\* (27 cr)



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

Concordia University, St. Paul BS in Computer Science Course Requirements	Credits
MAT 220 Discrete Mathematics	3
CSC 222 Introductory Programming with Java	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
<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>33</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