

Sample 2-year Roadmap for Transfer Students
Bachelor of Science Degree in Computer Science
(Total: 120 units)

The roadmap is valid for students with Preferred Transfer Courses below.
(Refer to assist.org to look for course equivalency at your institution)

Preferred Transfer Courses (assumes transfer credit received for the following courses)	
Lower Division GE Courses (24)	Lower Division Major Courses (36)
U.S. History (3) U.S. Constitution & State/Local Government (3) Oral Communication - COMM 1100 (3) Written Communication – ENGL 1010 (3) LD Block B2/B3 - Biological Science (3) LD Block C1 – Arts (3) LD Block D – Social Science (3) LD Block F – Ethnic Studies (3)	MATH2110 (4) – Calculus I MATH2120 (4) – Calculus II ENGL 2030 (3) - Intro to Technical Writing CS 1222 (3) – Intro to Relational Databases CS 2011 (4) – Intro to Programming I CS 2012 (4) – Intro to Programming II CS 2013 (4) – Programming with Data Structures CS 2148 (4) – Discrete Structures CS 2445 (3) - Intro to Computer Systems CS 2470 (3) - Network and Cybersecurity

Roadmap

	Fall	Spring	Total
Year 1	CS 3112^ (3) – Analysis of Algorithms CS 3220^ (4) – Web and Internet Programming CS 3338 (1) – Software Engineering Tools LD Block E (3)* - Lifelong Learning PHYS 2100 (4)* – General Physics I – Mechanics	CS 3035^ (3) – Programming Paradigms CS 3186^ (3) – Intro to Automata Theory CS 3337^ (3) – Software Engineering CS 3801^ (3) – Societal and Ethical Issues in Computing CS 4440 (3) – Intro to Operating Systems	30
	TOTAL: (15)	TOTAL: (15)	
Year 2	CS 4961 (3) – Senior Design Lab I CS elective – 1 (3) CS elective – 2 (3) CS elective – 3 (3) Math 2550 (3) * - Intro to Linear Algebra	CS 4962 (3) – Senior Design Lab II CS 4963 (3) – Computer Science Recap CS elective – 4 (3) CS elective - 5 (3) CS elective – 6 (3)	30
	TOTAL: (15)	TOTAL: (15)	

- Courses labeled with * can be also completed before transfer.
- Courses labeled with ^ are CS 3000-level core courses that must be completed prior to CS 4961. The designated CS 3000 level courses in the roadmap can be swapped with each other. Opt for CS 3000-level courses that fit your schedule best with your semester schedule.